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Quality Assurance Program Annual Trending Report

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EXECUTIVE SUMMARY

This report documents the calendar year 2003 analysis of Quality Assurance (QA) deficiencies to identify areas for improvement for the National Spent Nuclear Fuel Program (NSNFP). Deficiencies are identified as Deficiency Reports (DRs) and Corrective Action Requests (CARs). DRs/CARs, which are tracked in the NSNFP QA Corrective Action Tracking Trending System database, were categorized into the following three groups for analysis:

- NSNFP
- U.S. Department of Energy Spent Nuclear Fuel (SNF) Sites
- NSNFP suppliers.

NSNFP

The evaluation of data shows a steady decline in number of deficiencies from 33 in 1999, to 30 in 2000, to 20 in 2001, to 15 in 2002, to 11 (10 DRs and 1 Condition Corrected during Audit [CDA]) in 2003. In addition, the NSNFP organization is tracking one DR that was assigned to the INEEL BBWI supplier as the result of a supplier surveillance in 2003. The Pareto analysis showed that 8 of 11 DRs in 2003 (72%) were attributed to Personnel Errors and Procedures. There are no significant increasing trends. The timeliness of DR closure continued to improve. Four DRs remained open at the end of 2003.

Areas for Improvement

- The amount of NSNFP work involving government and private sector suppliers is increasing. The associated controls for procurement of services have been effectively applied in most cases. There remains some opportunities for improvement regarding attention to detail in the task management agreement preparation and issuance, clarification of work activities, passing down requirements to the supplier, and verification of supplier personnel qualifications.
- There has been considerable improvement in reducing the number of problems related to the improper use of procedures or failure to use an approved procedure. The rate of occurrence in this area decreased for several years, but it leveled out in 2003. Further attention may be needed. An opportunity for improvement exists to evaluate the effectiveness of implementing procedures, including appropriate level of detail, ease of use, to identify and resolve any inadequacies, and to ensure procedural compliance.

Hanford SNF

During 2003, two assessments were performed at Hanford. The results identified three CDAs, six DRs, and two CARs. The two significant conditions adverse to quality 03-RLSNF-AU-001-CAR-001 and -002 describe problems with identification and control of quality records. The Pareto analysis showed that all 11 deficiencies in 2003 were attributed to Personnel Errors and Procedures. There are no significant increasing trends. The timeliness of DR closure continued to improve. At the time of this trending report, the verification of closure for two CARs and three DRs was scheduled for March 2004. It is expected that the corrective action process will be sufficient to address the condition.

Area for Improvement

The number of problems related to using the nonconformance reporting process has increased in 2002 and 2003. Previous corrective actions have included procedure revisions to identify and invoke the nonconformance reporting process and associated *Quality Assurance Requirements and Description* requirements. Further attention should be given to ensure the effectiveness of the nonconformance reporting process.

Idaho National Engineering and Environmental Laboratory SNF

During 2003, the annual evaluation of the Idaho National Engineering and Environmental Laboratory (INEEL) SNF program was documented in the audit report 03-INEEL-AU-001. The INEEL has demonstrated overall improved performance under the current program, from 17 DRs issued in 2002 to 3 DRs in 2003. Two of the three DRs were related to problems with personnel training.

Area for Improvement

The number of problems related to inadequate training increased to two DRs in 2003 compared to zero DRs from 1999 through 2002. The corrective actions to address these conditions include document revisions, clarification of job requirements, development of training plans, and verification of training completed. The corrective actions were in various stages of completion. There remains some opportunity for improvement to ensure effectiveness of personnel training.

Oak Ridge National Laboratory SNF

During 2003, the annual NSNFP QA audit of the Oak Ridge Bechtel Jacobs SNF QA Program determined that the program was effectively implemented. Oak Ridge National Laboratory has transferred all its SNF and associated records to the INEEL. Consequently, there will be no further NSNFP annual audits required of this program.

No DR/CARs were issued in 2002 or 2003. The charts, tables, and analyses presented in the 2002 trend report did not change and remain current and acceptable. The results are not repeated in this 2003 trend report.

Savannah River Site SNF

In 2002, the Melt and Dilute Project was demobilized and qualification of the Savannah River Site SNF QA program was suspended. The Savannah River charts, tables, and analyses associated with those data are no longer applicable for this 2003 trend report.

During 2003, the NSNFP QA staff corresponded with the SRS personnel to discuss an action plan in the development of an acceptable revised SRS SNF QA program for the storage of SRS SNF and maintenance of the associated records. The draft Quality Program Plan was still in progress at the close of this reporting period.

NSNFP Suppliers

The only active government sector supplier to the NSNFP for 2003 is INEEL Bechtel BWXT Idaho, LLC (BBWI). Qualification of the other suppliers was suspended after completion of work. There were no private sector suppliers used by the NSNFP during 2003.

During 2003, NSNFP QA staff performed a supplier assessment of INEEL BBWI that resulted in one DR that is discussed in this report. The analysis and trends for the other suppliers did not change from the results presented in the previous 2002 trend report. The results remain current and acceptable and are not repeated in this 2003 trend report.

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National Spent Nuclear Fuel Program Quality Assurance Program Annual Trending Report

1. INTRODUCTION

1.1 Purpose and Scope

This report documents the analysis of Quality Assurance (QA) deficiencies for the identification of trends adverse to quality in the National Spent Nuclear Fuel Program (NSNFP). The analysis performed meets the requirements set forth in Section 16.2.6, "Quality Trending" of DOE/RW-0333P, *Quality Assurance Requirements and Description* (QARD). The trend analysis was performed in accordance with NSNFP Quality Assurance Staff (QAS) Procedure QAS 16.03. The data analyzed are categorized into three groups: NSNFP, spent nuclear fuel (SNF) sites, and NSNFP suppliers. Results are presented in the following sections.

1.2 Description of Trending Process and Methodology

Deficiencies are categorized as conditions adverse to quality and significant conditions adverse to quality, and are documented as a Deficiency Report (DR) or Corrective Action Request (CAR), respectively. DRs/CARs are assigned subject codes and direct cause codes. Significant conditions adverse to quality that are documented as CARs are additionally assigned a root cause code, based on formal root cause analysis. Codes are recorded in the NSNFP QA Corrective Action Tracking Trending System (CATTS) to facilitate analysis. The codes are sorted into three groups, the NSNFP, SNF sites, and NSNFP suppliers to facilitate analysis by calendar year. Other sources of information are also used for analysis to identify trends adverse to quality. Previous NSNFP QA Support trend analysis reports are used in analyses.

Subject codes are assigned to the DR/CAR that reflects the primary QARD requirement that is violated. Direct cause codes are the apparent cause of a condition adverse to quality. Root cause codes reflect the identified root cause that results from formal analysis. The first two codes, subject and direct cause, are subjective and are validated by review of the DRs/CARs during analysis. Root cause codes reflect the results of formal analysis and do not require validation.

Subject codes, direct cause codes, and root cause codes are used to compare the frequency of occurrence of like deficiencies. Codes are sorted by organization for each calendar year to identify an increase in the frequency of occurrence over time. Where an increase in frequency is identified, each individual DR/CAR is evaluated to validate that common issues are identified and determine if an adverse trend is present.

Subject codes and direct cause codes are evaluated by Pareto analysis for each organization within a respective group. This analysis identifies the most frequent occurrence of deficiency codes. DRs/CARs are evaluated for the highest occurrence of a code to validate that common issues are identified. The highest occurrence of a code that reflects a common issue may represent an indicator of an adverse trend.

The DRs/CARs are evaluated for timeliness of corrective action, including (as applicable) a discussion of ineffective or overdue corrective actions for each organization. The duration of closed and open DRs/CARs are compared by calendar year to determine if an adverse trend in timeliness of corrective action is present.

Potential adverse trends are evaluated against the criteria for trends adverse to quality in procedure QAS 16.03 "Quality Assurance Trending." If the analysis finds the trend to be adverse to quality, then a

review of open and recently completed correction actions is performed to determine whether mitigating actions are in process that may resolve the adverse trend. If there are no mitigating actions, then an evaluation of the trend for a significant condition adverse to quality is performed to determine whether a CAR will be issued to the responsible organization.

The discussion for each organization includes a description of documentation used as a part of the analysis, evaluations of selected subject and direct cause codes, and conclusions regarding trends adverse to quality. Attachment A provides tables that summarize the subject codes, direct cause codes, and root cause codes. In addition, Attachment A presents the figures used in the Pareto analyses to identify the most frequent occurrence of subject and direct cause codes. Attachment B shows figures for the timeliness of DR closure through December 31, 2003. Attachment C lists the DRs, CARs, and Conditions Corrected during Audit (CDAs) that were analyzed for this trending report. Attachment D lists the codes used for both direct and root causes. Administrative controls that may address adverse trends, lack of timely corrective action, or indicators for adverse trends are discussed. Conclusions that require action by management are identified under the Executive Summary and Results.

2. ANALYSIS

2.1 National Spent Nuclear Fuel Program

The NSNFP is composed of a QA Support organization and a Project Support Organization (PSO). DRs are assigned to each organization recognizing unique responsibilities. However, the analysis evaluated the data as representative of one organization.

During 2003, 11 DRs were attributed to the NSNFP PSO and QA organization with responsibility for closure. In addition, the NSNFP group tracks DR number 03-SUPP-S-001-DR-001 for which the NSNFP has identified the Idaho National Engineering and Environmental Laboratory (INEEL) Bechtel BWXT Idaho, LLC (BBWI) supplier as the responsible organization for closure.

2.1.1 Subject Codes

Attachment A sorts the subject codes for the NSNFP by calendar year. The evaluation of subject codes for the NSNFP indicates an overall improvement in QA program implementation from 1999 through 2003. The distribution of subject codes presented in the Pareto figure shows Procurement was the most frequent occurrence during 2003 (45%). The deficiency reports attributed to procurement activities were reviewed for possible adverse trends. The Subject Code D.01, Procurement Document Control, showed a large increase during 2003 and is evaluated below.

Subject Code D.01, Procurement Document Control

The frequency of occurrence of deficiencies under Subject Code D.01 increased from zero counts in 2001 and 2002 to three DRs in 2003. The corrective actions for the three DRs have been approved by the NSNFP QA Program Manager, and work was in progress at the time of this trending report. The DRs are summarized here for information.

- Deficiency Report 03-NSNFP-10/09-DR-001 identified a condition where NSNFP procurement documentation did not pass down QARD requirements for personnel education and experience verification to the INEEL BBWI supplier. The condition was mitigated by the previous verification of key personnel. The approved corrective actions include verification for all project participants and revision of the task management agreement (TMA).
- Deficiency Report 03-NSNFP-10/22-DR-001 identified a condition where INEEL procedure MCP-9359, Rev. 2, "Specifications," was in use without prior NSNFP approval. The extent of

- impact was mitigated because the NSNFP has previously reviewed this procedure during other evaluations and found it acceptable for its intended use. The approved corrective actions include maintaining a formal list of approved procedures used by the project and revising the TMA.
- Deficiency Report 04-NSNFP-S-001-DR-001 identified a condition where a TMA was not issued for NSNFP weld development work performed by the INEEL Management and Operations contractor (BBWI). The approved corrective action includes issuance of the TMA for the full scope of work.

Evaluation of the DRs under Subject Code D.01 indicates problems with the implementation of the TMA process and attention to detail. The resolution of this condition is still in progress. The NSNFP office and QA staff have reviewed the evaluation for extent of condition for these DRs. The approved corrective actions are being worked, individually and in combination. Completion of the corrective actions will be verified by NSNFP QA staff prior to closing the DRs. It is expected that the corrective action process will be sufficient to address the condition.

Area for Improvement

The amount of NSNFP work involving government and private sector suppliers is increasing. The associated controls for procurement of services have been effectively applied in most cases. There remains some opportunities for improvement regarding attention to detail in the TMA preparation and issuance, clarification of work activities, passing down requirements to the supplier, and verification of supplier personnel qualifications.

2.1.2 Direct Cause Codes

Attachment A sorts the direct cause codes for the NSNFP by calendar year. The evaluation indicated an overall improvement in QA program implementation from 1999 through 2003. The direct causes were widely distributed over several categories such that there were no increasing trends. The Pareto distribution showed Personnel Error-Human Performance (45%) and Procedures (27%) were the most frequent causes of NSNFP deficiencies during 2003. The DRs attributed to personnel error were reviewed for possible adverse trends. The Direct Cause Code 02Ad, Personnel Error—Procedure Not Used or Used Improperly, has been an area of attention in past trending reports. During 2003, 2 DRs were assigned this direct cause and are evaluated below.

<u>Direct Cause Code 02Ad, Personnel Error - Procedure Not Used or Used Improperly</u>

- Deficiency Report 04-NSNFP-S-001-DR-001 identified a condition where a TMA was not issued for NSNFP weld development work performed by the INEEL Management and Operations contractor (BBWI). The approved corrective action includes issuance of the TMA for the full scope of work.
- Deficiency Report 03-NSNFP-07/09-DR-001 identified problems of traceability between the Source Term Report REP-078 and the Spent Fuel Database. The approved corrective actions include evaluation for extent of impact, revisions of implementing procedures, personnel training and management oversight. Surveillance report 04-NSNF-S-002 observed that most of the corrective actions were completed in December 2003. A separate surveillance is identified on the 2004 NSNFP QA assessment schedule to verify corrective action completion and closure of this DR.

Evaluation

Evaluation of Direct Cause Code 02Ad showed downward trends (13 in 1999, to 9 in 2000, to 10 in 2001, to 2 in 2002) and leveled out with two DRs in 2003. The two DRs involve different work activities and do not share a common problem. Completion of the corrective actions will be verified by NSNFP QA

staff prior to closing the DRs. It is expected that the corrective action process will be sufficient to address the condition.

Area for Improvement

There has been considerable improvement in reducing the number of problems related to the improper use of procedures or failure to use an approved procedure. The rate of occurrence in this area decreased for several years, but it leveled out in 2003. Further attention may be needed. An opportunity for improvement exists to evaluate the effectiveness of implementing procedures, including appropriate level of detail and ease of use; to identify and resolve any inadequacies; and to ensure procedural compliance.

2.1.3 Root Cause Codes

The evaluation of root cause codes for the NSNFP indicates an overall improvement in QA program implementation. There were no significant conditions adverse to quality identified during 2003. No adverse trends are identified from this analysis. No further action is required as a result of this evaluation.

2.2 Spent Nuclear Fuel Sites

Spent Nuclear Fuel sites are composed of Hanford, INEEL, Oak Ridge National Laboratory (ORNL), and the Savannah River Site (SRS). The analysis is performed for the individual sites. The basis for the analysis is limited to the results of audits and surveillances performed by NSNFP QA.

2.2.1 Hanford

The evaluation of DRs for the Hanford SNF program showed changes from 22 in 1999, to 1 in 2000, to 4 in 2001, to 21 in 2002, to 11 in 2003. During 2003 two assessments identified three CDAs, six DRs, and two CARs. Attachment A sorts the subject codes for Hanford by calendar year. The Pareto distribution of subject codes showed Nonconformance (27%) and QA program (18%) were the most frequent occurrences during 2003. The direct causes for these deficiencies were Inadequate Procedures (55%) and Personnel Errors (45%). The DRs were reviewed for possible adverse trends. The evaluation showed increasing trends in the areas of nonconformances and quality records and are described below.

Subject Code B01, QA Program Documents

Deficiency Reports 03-RLSNF-S-001-CAR-001 and -002 describe significant conditions adverse to quality that are related to QA Program Documents. CAR-001 identified a non-OCRWM qualified subcontractor was used for the storage of SNF QA records. CAR-002 identified the lack of definition for a complete QA record package. The root cause analyses were performed for both CARs and identified the root cause as management problem (policy not adequately defined, disseminated, or enforced). The approved corrective actions include halting the transfer of records, identification of records, qualification of personnel, controls for records retrievability.

Evaluation

At the time of this trending report, the verification of closure for the two CARs and three DRs was scheduled for March 2004. It is expected that the corrective action process will be sufficient to address the deficient conditions for quality records and implementation of the nonconformance reporting process. Because the verification of corrective action and DR/CAR closure is still in progress, no further action is required as a result of this evaluation.

Subject Code O1, Nonconformance

The number of DRs associated with use of the nonconformance reporting process increased from one in 1999, to two in 2002, to three in 2003. The DRs were reviewed to determine if the trend was a significant

condition adverse to quality. The analysis showed that two conditions had minor impact and were corrected during the assessment. Two other conditions involved revising procedures to incorporate nonconformance reporting requirements. There are two open DRs (03-RLSNF-AU-001-DR-002 and – 003) that involve quarterly trend reporting of nonconformances and screening OCRWM-related nonconformances for corrective action. These two DRs are scheduled for verification of corrective action closure in March 2004.

Area for Improvement

The number of problems related to using the nonconformance reporting process has increased in 2002 and 2003. Previous corrective actions have included procedure revisions to identify and invoke the nonconformance reporting process and associated QARD requirements. Further attention should be given to ensure the effectiveness of the nonconformance reporting process.

2.2.2 INEEL

The evaluation of DRs for the INEEL SNF program showed changes from 25 CAR/DRs in 1998, 1 in 1999, 0 in 2000, 1 in 2001, to 17 in 2002, to 3 in 2003. The frequency of DRs correlates with the site qualification audits performed in 1998 and 2002. The 2003 audit identified three DRs.

Attachment A sorts the subject and cause codes for the INEEL by calendar year. Two of the three DRs from 2003 were assigned Subject Code B12, Personnel Qualification, and a direct cause code of Inadequate Training. The two DRs are evaluated below.

Subject Code B12, Personnel Qualification.

Deficiency Report 03-INEEL-AU-001-DR-001 describes a condition where personnel were assigned to perform work but had not been trained or qualified in accordance with their work functions and responsibilities. The management plan and training plan was revised to ensure that the personnel received the required training and indoctrination.

Deficiency Report 03-INEEL-AU-001-DR-003 described a lack of specific training for the initial screening and classification of issues entered into the Issue Communication and Resolution Environment (ICARE) system. Corrective action development and approval was still in progress. No further action is required as a result of this evaluation.

Area for Improvement

The number of problems related to inadequate training increased to two DRs in 2003 compared to zero DRs from 1999 through 2002. The corrective actions to address these conditions include document revisions, clarification of job requirements, development of training plans, and verification of training completed. The corrective actions were in various stages of completion. There remains some opportunity for improvement to ensure the effectiveness of personnel training.

2.2.3 ORNL

During 2003, the annual NSNFP QA audit of the Oak Ridge Bechtel Jacobs SNF QA Program determined that the program was effectively implemented. ORNL has transferred all its SNF and associated records to the INEEL. Consequently, there will be no further NSNFP annual audits required of this program.

No DR/CARs were issued in 2002 or 2003. The charts, tables, and analyses presented in the 2002 trend report did not change and remain current and acceptable. The results are not repeated in this 2003 trend report.

2.2.4 SRS

In 2002, the Melt and Dilute Project was demobilized and qualification of the SRS SNF QA program was suspended. The Savannah River charts, tables, and analyses associated with those data are no longer applicable for this 2003 trend report.

During 2003, the NSNFP QA staff corresponded with the SRS personnel to discuss an action plan in the development of an acceptable revised SRS SNF QA program for the storage of SRS SNF and maintenance of the associated records. The draft Quality Program Plan (QPP) was still in progress at the close of this reporting period.

2.3 National Spent Nuclear Fuel Program Suppliers

The only active government sector supplier to the NSNFP for 2003 was INEEL BBWI. All services for the remaining suppliers have been terminated. The supplier qualifications were suspended after completion of work. There were no private sector suppliers used by the NSNFP during 2003. The DRs for all suppliers are closed, except one as noted. The charts, tables, and analyses presented in the 2002 trend report did not change and remain current and acceptable. The supplier results are not repeated in this 2003 trend report.

INEEL BBWI

The government sector services provided by INEEL BBWI to the NSNFP are controlled by various TMAs. During 2003, NSNFP QA staff performed a supplier assessment of INEEL BBWI, resulting in one DR (03-SUPP-S-001-DR-001) related to personnel training. The approved corrective actions include development of a project execution plan to identify training requirements and ensure completion by personnel assigned to the project. Corrective actions were in progress at the time of this report and will be verified by NSNFP QA staff prior to closing the DR. No further action is required as a result of this evaluation.

3. CORRECTIVE ACTION TIMELINESS

The DRs/CARs were evaluated for timeliness of corrective action. Data for individual organizations, SNF sites, and suppliers were evaluated by calendar year to determine if an adverse trend in timeliness of corrective action is present. The CDAs were not included in the computed average, because the CDAs are singular incidents that are closed during the assessment, resulting in zero days for closure. The open CAR/DRs were included in the computed average using the number of days open as of December 31, 2003.

Overall performance of all the SNF programs has improved in providing timely corrective action. The NSNFP QA Support organization tracks and reports on a biweekly basis a summary report of all open DRs. During calendar year 2003, the number and average duration that DRs remain open has declined.

Attachment B presents figures for showing the timeliness of DR closure as of December 31, 2003. The open reports are also included (black).

3.1 National Spent Nuclear Fuel Program

The NSNFP is composed by of the PSO and QA Support organizations. The two groups work to the same program management procedures. However, data were sorted to evaluate the individual organization

duration. The figures in Attachment B show both the NSNFP PSO and QA Support organizations have improved their timeliness in reducing the average number of days to close DRs.

The average closure time for PSO reports declined from 358 days in 1999, to 347 in 2000, to 256 in 2001 to 164 in 2002, to 51 in 2003. Note that average for 2003 was based on six closed DRs and will increase when the remaining five DRs are closed.

The average closure time for QA Support reports showed an overall decline from 261 days in 1999, rising slightly to 294 days in 2000, dropping back to 174 days in 2001, and continuing a downward trend to an average of 117 days in 2002. There were no DRs issued in 2003. The evaluation of data for each group shows a decline in trend in the duration that a DR remains open.

3.2 Spent Nuclear Fuel Sites

The SNF sites are Hanford, INEEL, ORNL, and SRS. Data were sorted to evaluate the timeliness of DR closure by individual organization. The figures in Attachment B show declining trends, indicating improvement.

3.2.1 Hanford

The average closure time showed significant improvement from 407 days in 1999 to 180 days in 2002. Evaluation of the data for 2003 showed three CDAs, six DRs, and two CARs were identified within the Hanford SNF program. There were three DRs and two CARs open as of December 31, 2002. At the time of this trending report, the verification of closure for these DR/CARs was scheduled for March 2004. No further action for Hanford is required as a result of this evaluation.

3.2.2 **INEEL**

The average closure time showed significant improvement. The first QA program qualification audit was performed in 1998. The results identified 25 findings (14 CARs and 11 DRs) that took an average of 766 days to close. The 2002 qualification audit of the INEEL nonlicensed SNF QA program identified 17 findings (11 DRs and 6 CDAs) and shows the average time the deficiency remains open has been reduced to 181 days. During 2003, three DRs were issued, and two of them were closed. Corrective actions for the remaining DR were in progress. The anticipated closure date has been extended because of the recent INEEL reorganization. There is no indication of a trend adverse to quality. No further action for the INEEL is required as a result of this evaluation.

Area for Improvement

The number of problems related to inadequate training increased to two DRs in 2003 compared to zero DRs from 1999 through 2002. The corrective actions to address these conditions include document revisions, clarification of job requirements, development of training plans, and verification of training completed. The corrective actions were in various stages of completion. There remains some opportunity for improvement to ensure the effectiveness of personnel training.

3.2.3 ORNL

No DR/CARs were issued in 2002 or 2003. The charts, tables, and analyses presented in the 2002 trend report did not change and remain current and acceptable. The timeliness results are not repeated in this 2003 trend report.

3.2.4 SRS

No DR/CARs were issued in 2002 or 2003. The charts, tables, and analyses presented in the 2002 trend report did not change and remain current and acceptable. The timeliness results are not repeated in this 2003 trend report.

3.3 National Spent Nuclear Fuel Program Suppliers

The only active government sector supplier to the NSNFP for 2003 is INEEL BBWI. During 2003, NSNFP QA staff performed a supplier assessment of INEEL BBWI, resulting in one DR related to personnel training. Corrective actions were approved, and work was in progress at the time of this report. Trending and timeliness data are not available. There were no private sector suppliers used by the NSNFP during 2003.

For the other NSNFP suppliers, the services were terminated and qualification suspended after completion of work. The DRs for all suppliers are closed, except the one noted. The analysis and trends did not change from the results presented in the previous 2002 trend report, which showed the average timeliness of DR closure was satisfactory.

4. RESULTS

Data for the NSNFP, individual SNF sites, and NSNFP suppliers were analyzed to identify organization-specific adverse trends. Subject codes, direct cause codes, root cause codes, and timeliness of corrective action completion were evaluated. The analysis of increases in frequency of codes, highest frequency of codes, and corrective action duration resulted in the identification of potential adverse trends in the NSNFP PSO and QA Support organizations. The analysis identified the following results.

NSNFP

The evaluation of data shows a steady decline in number of deficiencies from 33 in 1999, to 30 in 2000, to 20 in 2001, to 15 in 2002, to 11 (10 DRs and 1 CDA) in 2003. In addition, the NSNFP organization is tracking one DR that was assigned to the INEEL BBWI supplier as the result of a supplier surveillance in 2003. The Pareto analysis showed that 8 of 11 DRs in 2003 (72%) were attributed to Personnel Errors and Procedures. There are no significant increasing trends. The timeliness of DR closure continued to improve. Four DRs remained open at the end of 2003.

Areas for Improvement

- The amount of NSNFP work involving government and private sector suppliers is increasing. The associated controls for procurement of services have been effectively applied in most cases. There remains some opportunities for improvement regarding attention to detail in the TMA preparation and issuance, clarification of work activities, passing down requirements to the supplier, and verification of supplier personnel qualifications.
- There has been considerable improvement in reducing the number of problems related to the improper use of procedures or failure to use an approved procedure. The rate of occurrence in this area decreased for several years, but it leveled out in 2003. Further attention may be needed. An opportunity for improvement exists to evaluate the effectiveness of implementing procedures, including appropriate level of detail and ease of use; to identify and resolve any inadequacies; and to ensure procedural compliance.

Hanford SNF

During 2003, two assessments were performed at Hanford. The results identified three CDAs, six DRs, and two CARs. The two significant conditions adverse to quality 03-RLSNF-AU-001-CAR-001 and -002 describe problems with identification and control of quality records. The Pareto analysis showed that all 11 deficiencies in 2003 were attributed to Personnel Errors and Procedures. There are no significant increasing trends. The timeliness of DR closure continued to improve. At the time of this trending report, the verification of closure for the two CARs and three DRs was scheduled for March 2004. It is expected that the corrective action process will be sufficient to address the condition.

Area for Improvement

The number of problems related to using the nonconformance reporting process has increased in 2002 and 2003. Previous corrective actions have included procedure revisions to identify and invoke the nonconformance reporting process and associated QARD requirements. Further attention should be given to ensure the effectiveness of the nonconformance reporting process.

INEEL SNF

During 2003, the annual evaluation of the INEEL SNF program was documented in the audit report 03-INEEL-AU-001. The INEEL has demonstrated overall improved performance under the current program, from 17 DRs issued in 2002 to 3 DRs in 2003. Two of the three DRs were related to problems with personnel training.

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The number of problems related to inadequate training increased to two DRs in 2003 compared to zero DRs from 1999 through 2002. The corrective actions to address these conditions include document revisions, clarification of job requirements, development of training plans, and verification of training completed. The corrective actions were in various stages of completion. There remains some opportunity for improvement to ensure the effectiveness of personnel training.

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National Spent Nuclear Fuel Program Suppliers

The only active government sector supplier to the NSNFP for 2003 is INEEL BBWI. Qualification of the other suppliers was suspended after completion of work. There were no private sector suppliers used by the NSNFP during 2003.

During 2003, NSNFP QA staff performed a supplier assessment of INEEL BBWI that resulted in one DR that is discussed in this report. The analysis and trends for the other suppliers did not change from the results presented in the previous 2002 trend report. The results remain current and acceptable and are not repeated in this 2003 trend report.

5. REFERENCES

- 1. National Spent Nuclear Fuel Quality Program Annual Trending Report, January–December 2000.
- 2. National Spent Nuclear Fuel Quality Program Annual Trending Report, January–December 2001.
- 3. National Spent Nuclear Fuel Quality Program Annual Trending Report, January–December 2002.

Attachment A Deficiency Reports Sorted by Subject and Cause Codes

Attachment A

Deficiency Reports Sorted by Subject and Cause Codes

NSNFP (PSO and QAS) Subject Code

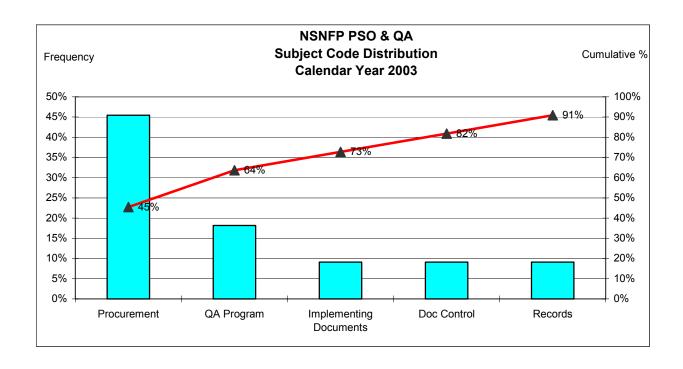
Subject						
Code	Title	CY99	CY00	CY01	CY02	CY03
Α	Organization	1	2	2	2	0
В	QA Program	7	7	6	3	2
С	Design	3	1	0	0	1
D	Procurement	4	3	0	0	5
Е	Implementing Documents	9	3	4	1	1
F	Doc Control	1	2	2	1	1
G	Purchased items	1	0	1	3	0
J	Inspection		1			
K	Test				1	
Р	Corrective Action	1	2	1	2	0
Q	Records	2	3	3	0	1
R	Audits	1	2	1	0	0
S	Software	2	4	0	0	0
U	Scientific investigation				1	
V	Electronic Data Mgt	1			1	
	TOTAL	33	30	20	15	11

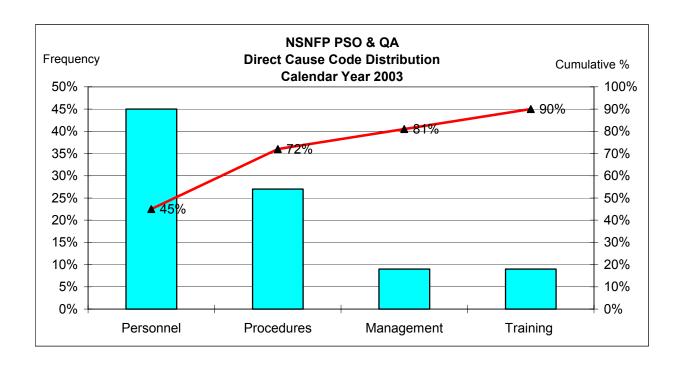
NSNFP (PSO and QAS) Direct Cause Code

Direct cause	Title	CY99	CY00	CY01	CY02	CY03
1	01-Procedures	15	14	6	6	3
2	02-Personnel	13	11	10	6	5
3	03-Management	2	3	1	3	1
4	04-Training					1
5	05-Design	1	1			1
8	08-Software	2	1			
10	10-Miscellaneous			3		
	TOTAL	33	30	20	15	11

NSNFP (PSO and QAS) Root Cause Code

Root cause	Title	CY99	CY00	CY01	CY02	CY03
1	01-Procedures	1				
2	02-Personnel	1				
3	03-Management	7			2	
	TOTAL	9			2	





Hanford Subject Codes

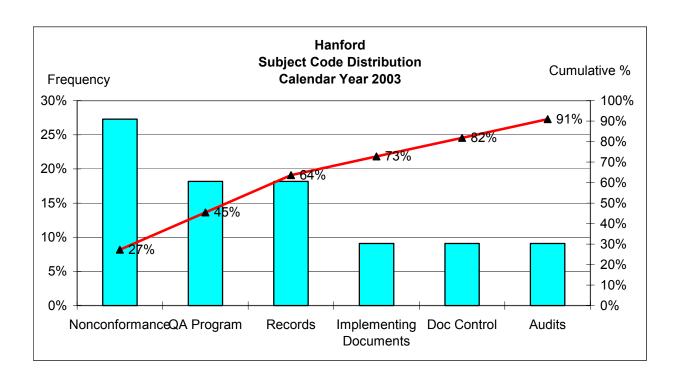
Subject Code	Title	CY99	CY00	CY01	CY02	CY03
Α	Organization	1			1	
В	QA Program	5			5	2
С	Design	2			1	
D	Procurement					1
E	Implementing Documents				3	1
F	Doc Control				2	1
J	Inspection	1		2		
L	Measuring & Test	1				
0	Nonconformance	1			2	3
Р	Corrective Action	1	1	2	1	
Q	Records				5	2
R	Audits				1	1
S	Software	1				
Т	Sample Control	2				
U	Scientific investigation	5				
V	Electronic Data Mgt	2				
	TOTAL	22	1	4	21	11

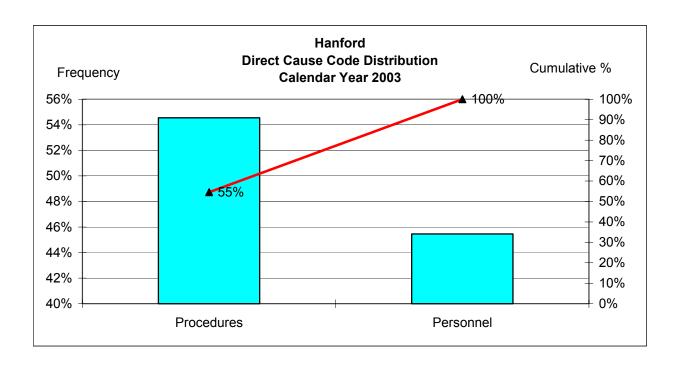
Hanford Direct Cause Codes

Direct cause		CY99	CY00	CY01	CY02	CY03
1	01-Procedures	9			8	6
2	02-Personnel	7	1	4	10	5
3	03-Management				2	
4	04-Training				1	
8	08-Software	3				
10	10-Miscellaneous	3				
	TOTAL	22	1	4	21	11

Hanford Root Cause Codes

Root cause		CY99	CY00	CY01	CY02	CY03
1	01-Procedures	1				
3	03-Management	2				2
	TOTAL	3				2





INEEL Subject Codes

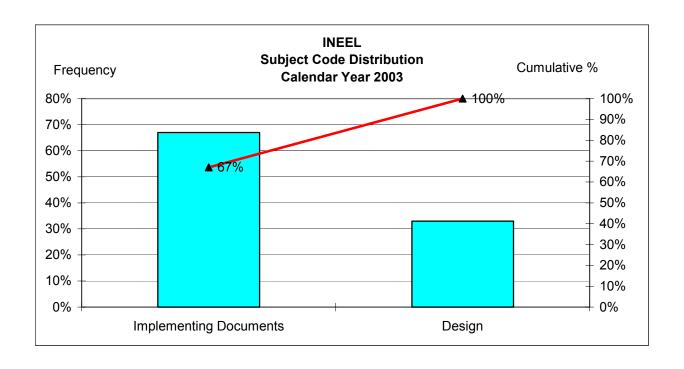
Subject							
Code	Title	CY98	CY99	CY00	CY01	CY02	CY03
Α	Organization	1					
В	QA Program	13			1	3	2
С	Design	1				1	
Е	Implementing Documents	1				2	1
F	Document Control	1					
G	Purchased items	1					
K	Test Control					1	
L	Measuring & Test	1				2	
М	Handling	1				1	
N	Inspection					1	
0	Nonconformance	1				1	
Р	Corrective Action	1				2	
Q	Records	1				3	
R	Audits	1	1				
S	Software						
U	Scientific investigation						
V	Electronic Data Mgt	1					
	TOTAL	25	1		1	17	3

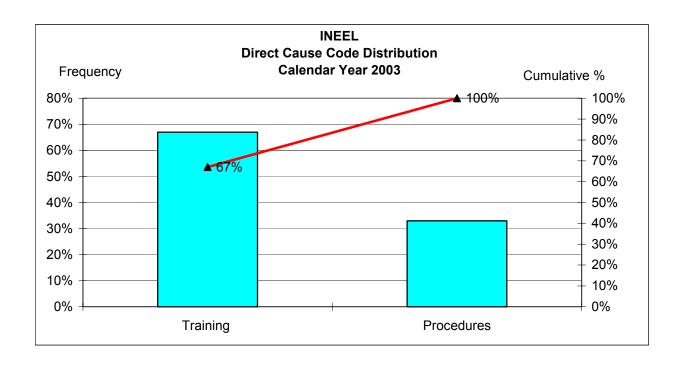
INEEL Direct Cause Codes

Direct cause	Title	CY98	CY99	CY00	CY01	CY02	CY03
1	01-Procedures	21				4	1
2	02-Personnel	2	1		1	6	
3	03-Management					6	
4	04-Training	1					2
8	08-Software	1					
10	10-Miscellaneous					1	
	TOTAL	25	1		1	17	3

INEEL Root Cause Codes

Root cause		CY98	CY99	CY00	CY01	CY02	CY03
1	01-Procedures	2					
3	03-Management	11					
8	08-Software	1					
4	04-Training						
	TOTAL	14					





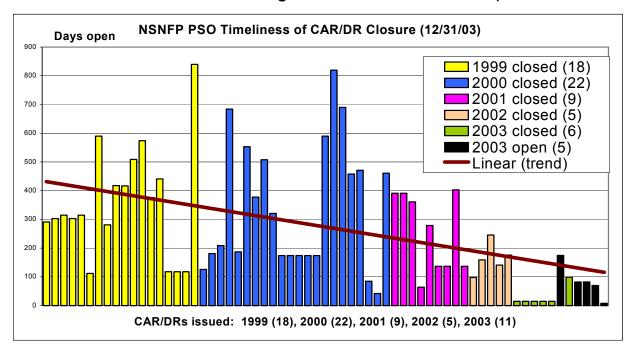
Attachment B

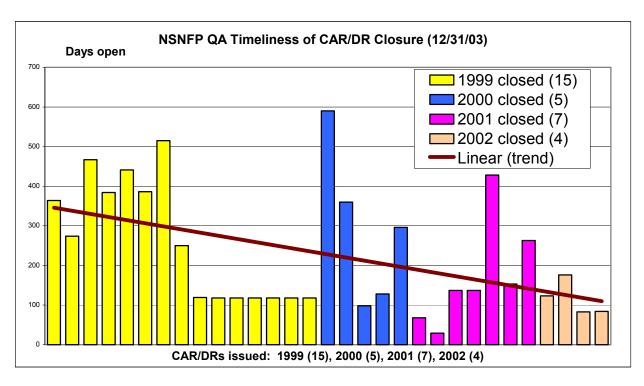
Timeliness of Deficiency Report Closure through December 31, 2003

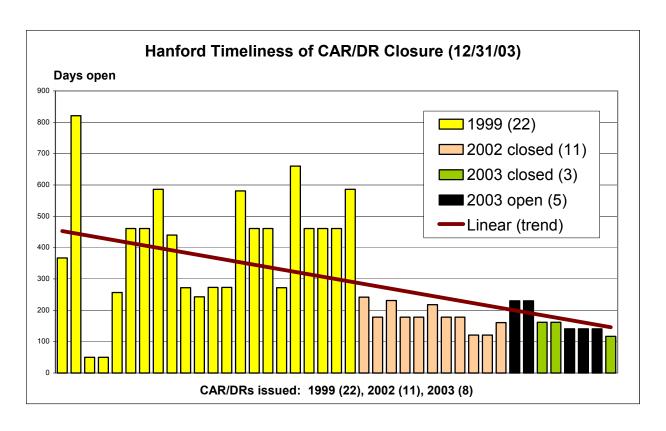
Attachment B

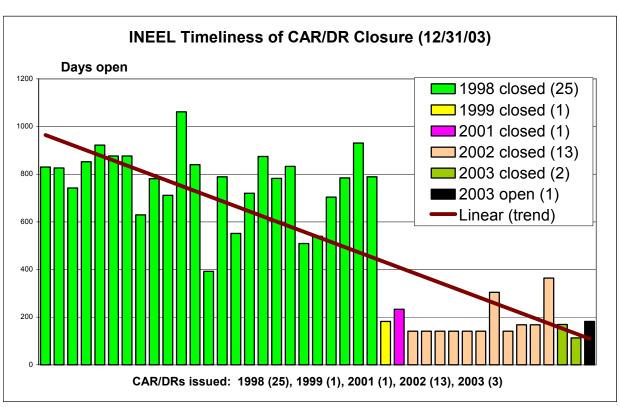
Timeliness of Deficiency Report Closure through December 31, 2003

(Open reports are indicated in black; CDAs closed during assessment are not shown)









Attachment C Deficiency Reports

Attachment C

Deficiency Reports (Status February 25, 2004)

										Status
Report	RespOrg	Signif	Open	Subject	Direct	Root	Close	Days	Type	(2/25/04)
99-NSNF-AU-039-001	ANL-E, CTD	F	4/6/99	B.12.2.4	02 A d		10/18/99	195	DR	closed
99-NSNF-AU-039-002	ANL-E, CTD	F	4/6/99	A.02	01 A a		10/18/99	195	DR	closed
99-NSNF-AU-039-003	ANL-E, CTD	F	4/6/99	G.11.3	02 A d		10/18/99	195	DR	closed
99-NSNF-AU-039-004	ANL-E, CTD	F	4/6/99	L.07.3	02 A d		12/15/99	253	DR	closed
99-NSNF-AU-058-001	ANL-W	F	7/29/99	G.02.1	09 B		2/23/00	209	DR	closed
99-NSNF-AU-058-002	ANL-W	F	7/29/99	G.02.1	02 A d		2/23/00	209	DR	closed
99-NSNF-AU-058-003	ANL-W	F	7/29/99	E.01	01 B g (2)		2/23/00	209	DR	closed
99-NSNF-AU-058-004	ANL-W	F	7/29/99	F.04	01 B g (2)		2/23/00	209	DR	closed
99-NSNF-AU-058-005	ANL-W	F	7/29/99	F.05.4	01 B a		2/23/00	209	DR	closed
99-NSNF-AU-058-006	ANL-W	F	7/29/99	Q.05	02 A d		2/23/00	209	DR	closed
00-ANLW-S-005-DR-001	ANL-W	F	4/5/00	B.10.7	05 B		6/20/00	76	DR	closed
99-NSNF-AU-036-003	Battelle-PNNL	F	1/21/99	U.02.2.2	02 A d		6/2/99	132	DR	closed
99-NSNF-AU-036-001	Battelle-PNNL	F	2/11/99	Q.05.1	02 A d		6/2/99	111	DR	closed
99-NSNF-AU-036-002	Battelle-PNNL	F	2/11/99	L.01.1	02 A d		6/2/99	111	DR	closed
99-NSNF-AU-036-004	Battelle-PNNL	F	2/11/99	S.01.2	08 A b		6/2/99	111	DR	closed
99-NSNF-S-059-01	HANFORD	F	6/15/99	B.01.3	01 B g (3)		6/16/00	367	DR	closed
99-NSNF-S-062-01	HANFORD	F	7/27/99	U.03	05 B b		10/25/01	821	DR	closed
99-NSNF-S-062-02	HANFORD	F	7/27/99	V.01	08 C		9/15/99	50	DR	closed
99-NSNF-S-062-03	HANFORD	F	7/27/99	T.01.3	02 A d		9/15/99	50	DR	closed
99-RL-MKH-001	HANFORD	TRUE	8/19/99	B.02.7		03 A c	5/2/00	257	CAR	closed
99-RL-MRH-001 99-NSNF-AU-044-10-001		F	9/8/99		01 B g (2)	03 A C	11/21/00	440	DR	
	HANFORD			J.07.1	01 B d (2)			_		closed
99-NSNF-AU-044-1-001	HANFORD	F	9/8/99	A.02	02 A d		6/6/00	272	DR	closed
99-NSNF-AU-044-12-001	HANFORD	F	9/8/99	L.01.1	01 B g (2)		5/8/00	243	DR	closed
99-NSNF-AU-044-15-001	HANFORD	F	9/8/99	0.1.2	01 B d (2)		6/7/00	273	DR	closed
99-NSNF-AU-044-16-001	HANFORD	F	9/8/99	P.05	01 B d (2)		6/7/00	273	DR	closed
99-NSNF-AU-044-2-001	HANFORD	F	9/8/99	B.01.2.1	02 A d	22.	4/11/01	581	DR	closed
99-NSNF-AU-044-2-002	HANFORD	TRUE	9/8/99	B.09	01 B d (2)	03 A c	12/12/00	461	CAR	closed
99-NSNF-AU-044-2-003	HANFORD	F	9/8/99	B.10.7	02 A d		12/12/00	461	DR	closed
99-NSNF-AU-044-3-001	HANFORD	F	9/8/99	C.01.3	05 A c (2)		12/12/00	461	DR	closed
99-NSNF-AU-044-3-002	HANFORD	F	9/8/99	C.09.1	02 A d		6/6/00	272	DR	closed
99-NSNF-AU-044-I-001-R1	HANFORD	F	9/8/99	S.01.2.1	08 A b		6/29/01	660	DR	closed
99-NSNF-AU-044-II-001	HANFORD	TRUE	9/8/99	T.02	02 A d	01 B g (1)	12/12/00	461	CAR	closed
99-NSNF-AU-044-III-001	HANFORD	F	9/8/99	U.01.1	05 A c (1)		12/12/00	461	DR	closed
99-NSNF-AU-044-III-002	HANFORD	F	9/8/99	U.01.2	02 A d		12/12/00	461	DR	closed
99-NSNF-AU-044-III-003	HANFORD	F	9/8/99	U.02.1	01 A a		12/12/00	461	DR	closed
99-NSNF-AU-044-III-004-R1	HANFORD	F	9/8/99	U.06.1.1	01 A a		4/16/01	586	DR	closed
99-NSNF-AU-044-V-001-R1	HANFORD	TRUE	9/8/99	V.01	08 D	03 A a	4/16/01	586	CAR	closed
00-RLSNF-AU-008-CDA-001	HANFORD	F	9/11/00	P.03.3	02 A d		9/11/00	0	CDA	closed
01-HANF-AU-001-CDA-002	HANFORD	F	7/27/01	P.04.2	02 A d		7/27/01	0	CDA	closed
01-RLSNF-AU-001-CDA-002	HANFORD	F	7/27/01	P.04.2	02 A d		7/27/01	0	CDA	closed
01-HANF-AU-001-CDA-001	HANFORD	F	7/31/01	J.06.2	02 A a		7/31/01	0	CDA	closed
02-RLSNF-AU-003-CDA-001	HANFORD	F	8/12/02	B.12.2.1	02 A b		8/12/02	0	CDA	closed
02-RLSNF-AU-003-CDA-002	HANFORD	F	8/12/02	E.01	02 A d		8/12/02	0	CDA	closed
02-RLSNF-AU-003-CDA-003	HANFORD	F	8/12/02	E.01	02 A d		8/12/02	0	CDA	closed
02-RLSNF-AU-003-CDA-004	HANFORD	F	8/12/02	0.04.4	04 B c		8/12/02	0	CDA	closed
02-RLSNF-AU-003-DR-001	HANFORD	F	8/12/02	A.06.1	02 A b		4/11/03	242	DR	closed
02-RLSNF-AU-003-DR-002	HANFORD	F	8/12/02	E.01	02 A b		2/6/03	178	DR	closed
02-RLSNF-AU-003-DR-003	HANFORD	F	8/12/02	B.01.3	02 A a		3/31/03	231	DR	closed
02-RLSNF-AU-003-DR-004	HANFORD	F	8/12/02	B.10.6.3	03 A c		2/6/03	178	DR	closed
02-RLSNF-AU-003-DR-005	HANFORD	F	8/12/02	F.05.2	03 A c		2/6/03	178	DR	closed
02-RLSNF-AU-003-DR-006R1	HANFORD	F	8/12/02	0. 1.2	01 A a		3/18/03	218	DR	closed
02-RLSNF-AU-003-DR-007	HANFORD	F	8/12/02	P.06	02 A d		2/6/03	178	DR	closed
02-RLSNF-AU-003-DR-008	HANFORD	F	8/12/02	R.21.2.1	02 A b		2/6/03	1/8	DR DR	l closed
	HANFORD HANFORD	F	8/12/02 10/8/02	R.21.2.1 B.01	02 A b 01 B g (4)		2/6/03 10/8/02	178 0	DR CDA	closed closed

	1							1		Ctatus
Report	RespOrg	Signif	Open	Subject	Direct	Root	Close	Days	Type	Status (2/25/04)
02-RLSNF-AU-001-CDA-003	HANFORD	F	10/8/02	C.01	01 C d	NOOL	10/8/02	Days	CDA	closed
02-RLSNF-AU-001-CDA-004	HANFORD	F	10/8/02	Q.05.1	01 B d (2)		10/8/02		CDA	closed
02-RLSNF-AU-001-CDA-005	HANFORD	F	10/8/02	Q.06.1	01 B d (2)		10/8/02		CDA	closed
02-RLSNF-AU-001-CDA-006	HANFORD	F	10/8/02	F.03	02 A d		10/8/02		CDA	closed
02-RLSNF-AU-001-DR-001	HANFORD	F	10/8/02	Q.02.1	02 A d		2/6/03		DR	closed
02-RLSNF-AU-001-DR-002	HANFORD	F	10/8/02	Q.03.6.3	01 B d (2)		2/6/03		DR	closed
02-RLSNF-AU-001-DR-003R1	HANFORD	F	10/8/02	Q.05.1.1	01 B d (2)		3/18/03		DR	closed
03-RLSNF-S-001-CAR-001	HANFORD	TRUE	5/15/03	B.01	01 B g (2)	03 A c			CAR	OPEN
03-RLSNF-S-001-CAR-002	HANFORD	TRUE	5/15/03	B.01.2.2	01 B g (2)	03 A c			CAR	OPEN
03-RLSNF-S-001-DR-001	HANFORD	F	5/15/03	Q.03.6	02 A a		10/24/03	162	DR	closed
03-RLSNF-S-001-DR-002	HANFORD	F		Q.02.4.1	02 A a		10/24/03	162		closed
03-RLSNF-AU-001-CDA-001	HANFORD	F		E.01	02 A a		8/12/03	0		closed
03-RLSNF-AU-001-CDA-002	HANFORD	F		F.05.3	01 B		8/12/03	0	CDA	closed
03-RLSNF-AU-001-CDA-003	HANFORD	F	8/12/03	0.02.1	02 A b		8/12/03	0	CDA	closed
03-RLSNF-AU-001-DR-001	HANFORD	F	8/12/03	D.02.1	01 B d (2)				DR	OPEN
	HANFORD		8/12/03	0. 1.2					DR	OPEN
	HANFORD		8/12/03	0.05					DR	OPEN
	HANFORD		8/13/03	R.01.5			12/8/03		DR	closed
98-NSNF-AU-034-001	INEEL-SNF	TRUE	10/22/98	A.02	01 B g (1)	03 A d	1/29/01	830	CAR	closed
98-NSNF-AU-034-002	INEEL-SNF	TRUE	10/22/98	B.01	01 B d (2)	03 A c	1/25/01	826	CAR	closed
98-NSNF-AU-034-003	INEEL-SNF	TRUE	10/22/98	B.02	01 B g (2)	03 A c	11/2/00	742	CAR	closed
98-NSNF-AU-034-004	INEEL-SNF	F	10/22/98	B.05	02 A d	04.5	4/25/00	551	DR	closed
98-NSNF-AU-034-005	INEEL-SNF	TRUE	10/22/98	B.05	01 B d (2)	01 B c	2/20/01	852	CAR	closed
98-NSNF-AU-034-006	INEEL-SNF	F	10/22/98	B.06	02 A d		10/11/00	720	DR	closed
98-NSNF-AU-034-007	INEEL-SNF	F	10/22/98	B.07	01 A a		3/14/01	874	DR	closed
98-NSNF-AU-034-008	INEEL-SNF	F	10/22/98	B.11	01 A a	00.4	12/12/00	782	DR	closed
98-NSNF-AU-034-009	INEEL-SNF	TRUE	10/22/98	B.12	04 C a	03 A c	5/1/01	922	CAR	closed
98-NSNF-AU-034-010	INEEL-SNF	F	10/22/98	C D 01 3	01 B e		2/1/01	833	DR	closed
98-NSNF-AU-034-011 98-NSNF-AU-034-012	INEEL-SNF INEEL-SNF	F	10/22/98 10/22/98	B.01.3 B.01.2	01 B d (2)		3/14/00 4/13/00	509 539	DR DR	closed
98-NSNF-AU-034-013	INEEL-SNF	TRUE	10/22/98	E.01	01 B g (2) 01 B g (2)	03 C	3/16/01	876	CAR	closed closed
98-NSNF-AU-034-014	INEEL-SNF	TRUE	10/22/98	F F	01 B g (2)	03 A c	3/16/01	876	CAR	closed
98-NSNF-AU-034-015	INEEL-SNF	F	10/22/98	G.06.3.4	01 B g (3)	03 A C	9/25/00	704	DR	closed
98-NSNF-AU-034-016	INEEL-SNF	F	10/22/98	B.01.2	01 B g (2)		12/14/00	784	DR	closed
98-NSNF-AU-034-017	INEEL-SNF	TRUE	10/22/98	L.01.6	01 B g (2)	03 A c	7/12/00	629	CAR	closed
98-NSNF-AU-034-018	INEEL-SNF	F	10/22/98	M.01	01 B g (2)	00710	5/10/01	931	DR	closed
98-NSNF-AU-034-019	INEEL-SNF	TRUE	10/22/98	0.01	01 B d (2)	03 A c	12/11/00	781	CAR	closed
98-NSNF-AU-034-020	INEEL-SNF	TRUE	10/22/98	P	01 B g (2)	03 A f	10/2/00	711	CAR	closed
98-NSNF-AU-034-021	INEEL-SNF	TRUE	10/22/98	Q	01 B g (3)	01 A a	9/18/01	1062	CAR	closed
98-NSNF-AU-034-022	INEEL-SNF	TRUE	10/22/98	R.03	01 B g (2)	03 A f	2/8/01	840	CAR	closed
98-NSNF-AU-034-023	INEEL-SNF	F	10/22/98	B.01.2.2	08 A b		12/19/00	789	DR	closed
98-NSNF-AU-034-024	INEEL-SNF	TRUE	10/22/98	B.01.2	01 B g (2)	03 A b	11/18/99	392	CAR	closed
98-NSNF-AU-034-025	INEEL-SNF	TRUE	10/22/98	V.01	01 B g (2)	08 C	12/19/00	789	CAR	closed
99-NSNF-S-051-001	INEEL-SNF	F	6/21/99	R.06.3	02 A d		12/20/99	182	DR	closed
01-INEEL-S-005-DR-001	INEEL-SNF	F	5/1/01	B.12.1.4	02 A		12/20/01	233	DR	closed
02-INEEL-AU-001-CDA-001	INEEL-SNF	F	9/16/02	K.01.4	02 A b		9/16/02	0	CDA	closed
02-INEEL-AU-001-CDA-002	INEEL-SNF	F	9/16/02	Q.03.4	02 A b		9/16/02	0	CDA	closed
02-INEEL-AU-001-CDA-003	INEEL-SNF	F	9/16/02	Q.05.1	02 A d		9/16/02	0	CDA	closed
02-INEEL-AU-001-CDA-004	INEEL-SNF	F	9/16/02	C.05.1	02 A a		9/16/02	0	CDA	closed
02-INEEL-AU-001-CDA-005	INEEL-SNF	F	9/16/02	N.01.1	03 A c		9/16/02	0	CDA	closed
02-INEEL-AU-001-DR-001	INEEL-SNF	F	9/16/02	B.11.2	01 D		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-002	INEEL-SNF	F	9/16/02	B.01.3.1.1	03 A c		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-003	INEEL-SNF	F	9/16/02	Q.02.1.1	01 B d (2)		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-004	INEEL-SNF	F	9/16/02	B.01.2.1	10 C		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-005R1	INEEL-SNF	F	9/16/02	E.01	03 A c		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-006	INEEL-SNF	F	9/16/02	0.03.1	02 A a		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-007	INEEL-SNF	F	9/16/02	P.03.2	03 A c		7/17/03	304	DR	closed
02-INEEL-AU-001-DR-008	INEEL-SNF	F	9/16/02	P.03.2	03 A f		2/4/03	141	DR	closed
02-INEEL-AU-001-DR-009	INEEL-SNF	F	9/16/02	L.03.2.1	02 A b		3/3/03	168	DR	closed
02-INEEL-AU-001-DR-010	INEEL-SNF	F	9/16/02 9/16/02	L.03.2.2.1	03 A f		3/3/03	168 364	DR DR	closed
02-INEEL-AU-001-DR-011 02-SUPP-S-007-CDA-001	INEEL-SNF	F		G.03.5	01 B g (2)		9/15/03	364		closed
	INEEL-SNF	F	11/13/02 7/2/03	E.01	01 B a		11/13/02 12/18/03	169	CDA DR	closed
03-INEEL-AU-001-DR-001	INEEL-SNF	Г	112/03	B.12.1.5	04 A		12/10/03	109	אט	closed

September Sept		<u> </u>									Status
SHAPE, AUGUIP OR 002 NEEL SNF F 7/203 E.01 01 A 102303 113 DR 09 NEEL SNF F 7/203 E.01 01 A 102303 113 DR 09 NEEL SNF F 7/203 E.01 02 A 3/2100 224 DR 09 NEEL SNF F 7/203 E.01 02 A 3/2100 224 DR 09 NEEL SNF F 7/203 E.01 02 A 3/2100 224 DR 09 NEEL SNF C.00 0.5 NEEL SNF C.00	Report	RespOra	Sianif	Open	Subject	Direct	Root	Close	Davs	Type	(2/25/04)
Search S	,						7.000				closed
SMANN-R-AU-05-001 MM		INEEL-SNF	F		B.12.1.1	04 B a			238	DR	OPEN
SHAMFALIGHO-COA-201			_								closed
SHAMPALIJOS-0P-001		-	•								closed
9 ANSIN-ALJ05-001 9 ANSIN-ALJ05-002 LNES-OR-Y12 F 122398 L015 1 D B d (1) 3 1899 85 DR doc 9 ANSIN-ALJ05-003 LNES-OR-Y12 F 122398 L015 1 D B d (1) 3 1899 85 DR doc 9 ANSIN-ALJ05-003 LNES-OR-Y12 F 122398 L015 1 D B d (1) 3 1899 85 DR doc 9 ANSIN-ALJ05-004 LNES-OR-Y12 F 122398 L015 D 10 A d d d d d d d d d d d d d d d d d d											closed
SANISH-AU-103-002		-							_		closed
SANSIN-ALJ035-039			-								closed
99.NSNF-AU-035-004											closed
99ANSN-AU-035-005											closed
SPANSH-AU-035-006											closed
99 NSNF-AJJ-335-007											
SANSH-GAMA-001 NSN: OA											closed
EKO-QAT-9901 NSNF QA F 81/1799 P.06.3 08 D 55/1700 274 DR close SPAISNF-AU-125-003 NSNF QA F 91/199 P.02 02 02 Ad 121/100 467 DR close SPAISNF-AU-125-005 NSNF QA F 91/199 B.12 01 B. QC) 91/190 441 DR close SPAISNF-AU-125-006 NSNF QA F 91/199 B.01.3.1.1 03 A c 11/1500 441 DR close SPAISNF-AU-125-006 NSNF QA F 91/199 B.01.3.1.1 03 A c 11/1500 441 DR close SPAISNF-AU-125-007 NSNF QA F 91/199 E.05 02 A d 92/100 386 DR close SPAISNF-SV-CK-002 NSNF QA F 91/199 E.05 02 A d 92/100 386 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.05 02 A d 22/100 118 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.03 02 A d 22/100 118 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.01 02 A d 22/100 118 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.01 02 A d 22/100 118 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.01 02 A d 22/100 118 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.01 02 A d 22/100 118 DR close SPAISNF-SV-CK-002 NSNF QA F 107/199 E.01 02 A d 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-088 NSNF QA F 107/199 E.01 02 A d 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 01 B d (2) 22/100 118 DR close SPAISNF-QA-999-006/RW DRR-D-098 NSNF QA F 107/199 F.07 2.2 02 A d 10/100 SPAISNF-QA-999-006/RW DR						,	Λ3 Δ				closed
99ANSN-AU-125-003 NSNF 0A F 91/99 B.01.3.1.1 0.3 Åc 11/15/00 384 DR despendence of the control o							00 A			_	closed
99.ARSN-AU-125-005 NSNF QA F 91/199 B12 Q1 B (2) 91/900 344 DR dos 99.ARSN-AU-125-006 NSNF QA F 91/199 B13.11 03 A C 11/15/00 441 DR dos 99.ARSN-AU-125-007 NSNF QA F 91/199 B03.11 03 A C 11/15/00 441 DR dos 99.ARSN-AU-125-007 NSNF QA F 91/199 E.05 02 A d 92/100 386 DR dos 99.ARSN-AU-125-007 NSNF QA F 91/199 E.05 02 A d 22/100 119 DR dos 99.ARC0-4999-01/RW DR#D-083 NSNF QA F 10/799 E.01 02 A d 22/100 119 DR dos 99.ARC0-4999-00/RW DR#D-085 NSNF QA F 10/799 E.01 02 A d 22/100 118 DR dos 99.ARC0-4999-00/RW DR#D-088 NSNF QA F 10/799 E.01 02 A d 22/100 118 DR dos 99.ARC0-4999-00/RW DR#D-088 NSNF QA F 10/799 E.01 02 A d 22/100 118 DR dos 99.ARC0-4999-00/RW DR#D-089 NSNF QA F 10/799 E.01 02 A d 22/100 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 F.01 02 A d 22/100 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 F.01 02 A d 22/100 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 F.01 02 A d 22/200 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 P.01 02 A d 22/200 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 P.02 2 01 B d/2) 22/200 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 P.03 2 A d 22/200 118 DR dos 99.ARC0-4999-00/RW DR#D-099 NSNF QA F 10/799 P.03 2 A d 22/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/799 P.03 2 A d 11/12/01 33 00 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/799 P.03 2 A d 11/12/01 33 00 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/799 P.03 2 03 A d 11/12/01 33 00 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 A d 02/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 A d 02/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 A d 02/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 A d 02/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 QA A 02/20 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 QA A 02/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-005 NSNF QA F 10/17/00 QA 2 QA A 02/200 118 DR dos 99.ARC0-4999-01/RW CAR #C-0											closed
99.ASNF.AU.125-000 NSNF QA F 99/199 B.013.1.1 03.A c 11/1500 441 DR clos 99.ASNF.AU.125-007 NSNF QA F 99/199 B.05 02.A d 92/100 386 DR clos 99.ASNF.AU.125-007 NSNF QA F 99/199 E.05 02.A d 92/100 386 DR clos 99.ASNF.AU.125-007 NSNF QA F 99/199 E.05 02.A d 92/100 199 DR clos 99.ASNF.AU.125-007 NSNF QA F 10/799 E.01 02.A d 92/100 119 DR clos 99.ASNF.AU.125-007 NSNF QA F 10/799 E.01 02.A d 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 E.01 02.A d 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 E.01 02.A d 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 E.01 02.A d 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 E.01 02.A d 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 F.07.2.2 01 Bd (2) 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 F.07.2.2 01 Bd (2) 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 F.07.2.2 01 Bd (2) 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 F.07.2.2 01 Bd (2) 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 F.07.2.2 01 Bd (2) 92/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 10/799 F.00.2 02 Ad 02.A d 22/100 118 DR clos 99.ASNF.AU.125-009.0SNF.WD NSNF QA F 6/19/00 P.03.2 03 Ad 1/10/10/2 590 DR clos 09.ASNF.AU.125-009.0SNF.WD NSNF.QA F 10/799 F.00.2 02 Ad 02.A d 1/10/10/2 590 DR clos 09.ASNF.AU.125-009.0SNF.QA F 10/17/00 B.01.2.4 03 Ad 1/10/20/2 590 DR clos 09.ASNF.AU.125-009.0SNF.QA F 10/17/00 P.06.2 01 Bg (2) 22/20/1 128 DR clos 09.ASNF.AU.125-009.0SNF.QA F 10/17/00 P.06.2 01 Bg (2) 22/20/1 128 DR clos 09.ASNF.QA F 10/17/00 P.06.2 01 Bg (2) 22/20/1 128 DR clos 09.ASNF.AU.001-00-000 NSNF QA F 10/17/00 P.06.2 01 Bg (4) 42/20/1 88 DR clos 09.ASNF.AU.001-00-000 NSNF QA F 10/17/00 P.06.2 01 Bg (4) 42/20/1 88 DR clos 09.ASNF.AU.001-00-000 NSNF QA F 10/17/00 P.06.2 01 Bg (4) 42/20/1 88 DR clos 09.ASNF.AU.001-00-000 NSNF QA F 10/17/00 P.06.2 01 Bg (4) 42/20/1 89 DR clos 09.ASNF.AU.001-00-000 NSNF QA F 10/17/00 P.06.2 01 Bg (4) 42/20/1 89 DR clos 09.ASNF.AU											closed
SPANSH-AU-125-007 NSNF QA											closed
99-ARC04-999-003FW DRED-085 98-ARC04-999-003FW DRED-085 NSNF QA F 107799 E.01 02 A d 22.00 118 DR dos 99-ARC04-999-005FW DRED-087 NSNF QA F 107799 E.01 02 A d 22.00 118 DR dos 99-ARC04-999-005FW DRED-087 NSNF QA F 107799 E.01 02 A d 22.00 118 DR dos 99-ARC04-999-005FW DRED-087 NSNF QA F 107799 E.01 02 A d 22.00 118 DR dos 99-ARC04-999-005FW DRED-088 NSNF QA F 107799 E.01 02 A d 22.00 118 DR dos 99-ARC04-999-005FW DRED-088 NSNF QA F 107799 F.01 99-ARC04-999-007FW DRED-089 NSNF QA F 107799 F.01 99-ARC04-999-007FW DRED-089 NSNF QA F 107799 F.07.2.2 DIB dd(2) 22.00 118 DR dos 99-ARC04-999-007FW DRED-089 NSNF QA F 107799 F.07.2.2 DIB dd(2) 22.00 118 DR dos 99-ARC04-999-007FW DRED-089 NSNF QA F 107799 F.07.2.2 DIB dd(2) 22.00 118 DR dos 99-ARC04-999-007FW DRED-089 NSNF QA F 107799 F.07.2.2 DIB dd(2) 99-ARC04-999-007FW DRED-089 NSNF QA F 601909 99-ARC04-999-007FW DRED-089 NSNF QA F 601909 99-ARC04-999-007FW DRED-090 NSNF QA F 601909 90-ARC04-999-007FW DRED-090 NSNF QA F 601909 90-ARC04-999-007FW DRED-090 NSNF QA F 601909 90-ARC04-999-007FW DRED-090 NSNF QA F 601909 PR dos 00-RW-0831000-DR-000 NSNF QA F 601909 PR dos 00-RW-0831000-DR-000 NSNF QA F 1017700 P.06.2 DR dd 1017201 BOR DRED-090 DR dos 00-RW-083100-DR-000 NSNF QA F 1017700 P.06.2 DR dd 1017201 BOR DR dos 00-RW-083100-DR-000 NSNF QA F 1017700 P.06.2 DR dd 1017201 BOR DR dos 00-RW-083100-DR-000 NSNF QA F 1017700 P.											closed
99.ARC04-999.001FW DREPO-83 NSNF QA F 107799 E.03 02 A d 22/00 119 DR dos 99.ARC04-999.003FW DREPO-98 NSNF QA F 107799 E.03 02 A d 22/00 118 DR dos 99.ARC04-999.003FW DREPO-88 NSNF QA F 107799 E.01 02 A d 22/00 118 DR dos 99.ARC04-999.003FW DREPO-88 NSNF QA F 107799 E.01 02 A d 22/00 118 DR dos 99.ARC04-999.003FW DREPO-88 NSNF QA F 107799 E.01 02 A d 22/00 118 DR dos 99.ARC04-999.003FW DREPO-88 NSNF QA F 107799 F.07.2 0 B d 2] 22/00 118 DR dos 99.ARC04-999.003FW DREPO-98 NSNF QA F 107799 R.08.5 0 2 A d 22/00 118 DR dos 99.ARC04-999.003FW DREPO-99 NSNF QA F 107799 P.01.2 0 A d 22/00 118 DR dos 99.ARC04-999.003FW DREPO-99 NSNF QA F 107799 P.01.2 0 A d 22/00 118 DR dos 99.ARC04-999.017FW CAR #C-005 NSNF QA F 107799 P.01.2 0 A d 22/00 118 DR dos 99.ARC04-999.017FW CAR #C-005 NSNF QA F 107799 P.03.2 0 A f 107300 2 50 CAR dos 00.NSNF-AU-11-0-005 NSNF QA F 6/1900 P.03.2 0 A f 107300 2 50 DR dos 00.NSNF-AU-11-0-005 NSNF QA F 6/1900 P.03.2 0 A f 107300 2 50 DR dos 00.RW-083100-DR-002 NSNF QA F 1017700 B.01.2 4 03 A d 1012/01 360 DR dos 00.RW-083100-DR-004 NSNF QA F 1017700 P.03.2 0 A f 103/02 2 500 DR dos 00.RW-083100-DR-006 NSNF QA F 1017700 P.06.2 0 B g/2 22/201 128 DR dos 00.RW-083100-DR-006 NSNF QA F 1017700 P.06.2 0 B g/2 22/201 128 DR dos 00.RW-083100-DR-006 NSNF QA F 1017700 R.01.6 0 3 A d 89/01 296 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 12/18/00 Q.02.2 QA d 22/02 QA d 22/02 1 2 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 12/18/00 D.02.2 QA d 22/02 1 2 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 12/18/00 B.13.2 1.2 018 g/4) 42/201 68 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 1017700 R.02.2 QA d 21/02 137 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 1017700 R.02.2 QA d 21/02 137 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 104/01 B.12.1.2 018 g/4) 42/201 68 DR dos 01.NSNF-S-006-DR-002 NSNF QA F 917701 B.01.2 1 02 A d 21/02 137 DR dos 01.NSNF-S-006-DR-003 NSNF QA F 917701 B.01.2 1 02 A d 21/02 137 DR dos 01.NSNF-S-006-DR-003 NSNF QA F 917701 B.01.2 1 02 A d 21/02 137 DR dos 01.NSNF-S-006-DR-003 NSNF QA F 917701 B.01.2 1 02 A d 21/02 137 DR dos 0	99-NSNF-FSV-CK-002		F	9/17/99	E.03.2	01 B g (2)		2/13/01	515	DR	closed
99.4RC04-999.003FW DREP-085 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.005FW DREP-087 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.006FW DREP-088 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.006FW DREP-089 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.007FW DREP-089 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.007FW DREP-090 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107799 E.01 02 A d 22/200 118 DR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107799 E.01 02 A d 02 A 61300 250 CAR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107799 E.01 02 A d 02 A 61300 250 CAR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107799 E.01 02 A d 02 A 61300 250 CAR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107790 P.02.2 03 A f 13002 590 DR dos 99.4RC04-999.007FW DREP-091 NSNF QA F 107700 B.01.24 03 A d 101201 360 DR dos 90.4RW.083100-DR-002 NSNF QA F 1017700 B.01.24 03 A d 101201 360 DR dos 90.4RW.083100-DR-002 NSNF QA F 1017700 Q.03.7 02 A d 12201 38 DR dos 90.4RW.083100-DR-005 NSNF QA F 1017700 Q.03.7 02 A d 12201 38 DR dos 90.4RW.083100-DR-005 NSNF QA F 1017700 R.01.6 GA P 1017700 Q.03.7 02 A d 12200 128 DR dos 90.4RW.083100-DR-005 NSNF QA F 1017700 R.01.6 GA P 1017700 Q.03.7 02 A d 127800 Q DA GO 90.4RW.083100-DR-005 NSNF QA F 1017700 R.01.6 GA P 1017700 Q QA DA	99-ARC04-9/99-001/RW DR#D-083		F	10/7/99					119	DR	closed
99-ARCO4-999-006/RW DRED-088 NSNF QA F 1077/99 F.07.2.2 01 Bd (2) 22/200 118 DR clos 99-ARCO4-999-009/RW DRED-098 NSNF QA F 1077/99 R.08.5 02 Ad 22/200 118 DR clos 99-ARCO4-999-009/RW DRED-091 NSNF QA F 1077/99 R.08.5 02 Ad 22/200 118 DR clos 99-ARCO4-999-009/RW DRED-091 NSNF QA F 1077/99 R.08.5 02 Ad 22/200 118 DR clos 99-ARCO4-999-009/RW DRED-091 NSNF QA F 1077/99 R.08.5 02 Ad 22/200 118 DR clos 99-ARCO4-999-009/RW DRED-091 NSNF QA F 1077/99 R.08.5 02 Ad 22/200 118 DR clos 99-ARCO4-999-009/RW DRED-091 NSNF QA F 1077/99 R.08.5 02 Ad 22 Ad 6/13/00 250 CAR clos 100-ARSWF-AU-011-DR-005 NSNF QA F 1077/99 R.09.2 03 Ad 1072/01 360 DR clos 100-ARSWF-AU-010-DR-002 NSNF QA F 1077/70 B.01.2 40 Ad 1072/01 360 DR clos 100-ARSWF-AU-005-DR-004 NSNF QA F 10717/00 Q.03.7 02 Ad 11/23/01 98 DR clos 100-ARSWF-AU-005-DR-005 NSNF QA F 10717/00 P.06.2 01 Bg (2) 22/22/01 128 DR clos 10-ARSWF-AU-001-DR-002 NSNF QA F 10717/00 P.06.2 01 Bg (2) 22/22/01 128 DR clos 10-ARSWF-AU-001-DR-002 NSNF QA F 10717/00 R.01.6 03 Ad 8/9/01 296 DR clos 10-ARSWF-AU-001-DR-002 NSNF QA F 12/40/1 B.10.1 B.10.1 3.4 4/20/1 6.6 DR clos 10-ARSWF-AU-001-DR-002 NSNF QA F 12/40/1 B.10.1 B.10.1 3.4 4/20/1 6.6 DR clos 10-ARSWF-AU-001-DR-002 NSNF QA F 12/40/1 B.10.1 B.10.1 3.3 01 Bd (1) 9/6/01 0 CDA clos 10-ARSWF-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2 1.0 2 Ad 27/10/2 137 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.2 1.0 2 Ad 27/10/2 137 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.2 1.0 2 Ad 27/10/2 137 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.1 01 Cf 36/04/2 13/04 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.1 01 Cf 36/04/2 13/04 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.1 01 Cf 36/04/2 13/04 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.1 01 Cf 36/04/2 2/2 2/2 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.1 01 Cf 36/04/2 2/2 2/2 DR clos 10-ARSWF-AU-001-DR-003 NSNF QA F 10/4/01 R.01.1 01 Cf 36/04/2 2/2 DR clos 10-ARSWF-AU-001-DR-001 NSNF QA F 10/4/01 R.01.1 01 Cf 36/04/2 2/2 DR clos 10-ARSWF-AU-	99-ARC04-9/99-003/RW DR#D-085			10/7/99		02 A d		2/2/00	118	DR	closed
99-ARCO4-999-007/RWD DRED-089 NSNF QA F 1077/99 F.07.2.2 01 8 d (2) 22.200 118 DR clos 99-ARCO4-999-008/RWD DRED-090 NSNF QA F 1077/99 F.07.2.2 01 8 d (2) 22.200 118 DR clos 99-ARCO4-999-009/RWD DRED-091 NSNF QA F 1077/99 F.07.2.2 01 8 d (2) 22.00 118 DR clos 99-ARCO4-999-011/RW CAR #C-005 NSNF QA F 1077/99 C.02.2 02 A d 02 A 6/13/00 250 CAR clos 00-NSNF-AU-011-DR-005 NSNF QA F 6/19/00 P.03.2 03 A f 13/00/2 590 DR clos 00-NSNF-AU-010-DR-002 NSNF QA F 10/17/00 B.01.2.4 03 A d 10/12/01 330 DR clos 00-RW-08/13/100-DR-004 NSNF QA F 10/17/00 B.01.2.4 03 A d 10/12/01 330 DR clos 00-RW-08/13/100-DR-004 NSNF QA F 10/17/00 P.06.2 01 8 g (2) 22/22/01 128 DR clos 00-RW-08/13/100-DR-006 NSNF QA F 10/17/00 R.01.6 03 A d 8/9/01 296 DR clos 00-RW-08/13/100-DR-006 NSNF QA F 10/17/00 R.01.6 03 A d 8/9/01 296 DR clos 00-RW-08/13/100-DR-006 NSNF QA F 12/18/00 Q.02.2 02 A d 12/18/00 0 CDA clos 01-NSNF-S-006-DA-001 NSNF QA F 12/18/00 Q.02.2 02 A d 12/18/00 0 CDA clos 01-NSNF-S-006-DR-003 NSNF QA F 12/18/00 Q.02.2 02 A d 12/18/00 0 CDA clos 01-NSNF-S-006-DR-003 NSNF QA F 12/18/00 B.01.3.3 01 8 d (1) 9/6/01 0 CDA clos 01-NSNF-PAU-001-DR-002 NSNF QA F 9/6/01 B.01.3.3 01 8 d (1) 9/6/01 0 CDA clos 01-NSNF-PAU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/10/2 137 DR clos 01-NSNF-PAU-001-DR-											closed
99-ARC04-999-009RW DR #D-090 NSNF QA F 107/99 R08.5 02 A d 2/2/00 118 DR dos 99-ARC04-999-009RW DR#D-091 NSNF QA F 107/99 Q02.2 02 A d 02 A 6/13/00 250 CAR dos 99-ARC04-999-01/RW CAR #C-00S NSNF QA TRUE 107/99 Q02.2 02 A d 02 A 6/13/00 250 CAR dos 00-NSNF-AU-011-DR-005 NSNF QA F 10/17/99 Q02.2 03 A f 13/00/2 990 DR dos 00-RW-08/31/00-DR-002 NSNF QA F 10/17/00 DR-08/31/00-DR-002 NSNF QA F 10/17/00 DR-08/31/00-DR-003 NSNF QA F 10/17/00 P0.62 01 B g (2) 27/22/01 128 DR dos 01-NSNF-S-006-DA-001 NSNF QA F 10/17/00 P0.62 01 B g (2) P2/22/01 128 DR dos 01-NSNF-S-006-DR-002 NSNF QA F 10/17/00 P0.62 01 B g (4) 4/2/01 68 DR dos 01-NSNF-S-006-DR-002 NSNF QA F 1/2/4/01 BR-12/4/01 BR-12				10/7/99		02 A d				DR	closed
99-ARCO4-999-009/RW OR#D-091 99-ARCO4-999-011/RW CAR #C-005 NSNF QA TRUE 107/99 Q.0.2.2 0.2.4 0.2.4 0.2.4 0.2.4 0.2.4 0.2.4 0.2.5 0.2.4 0.2.5 0.2.4 0.2.5 0.2.4 0.2.5 0.2.4 0.2.5 0.2.4 0.2.5 0.2.4 0.2.5 0.2.4 0.						\ /			_		closed
99-ARC-Q4-9/99-011/RW CAR #C-005 NSNF QA											closed
DO-NSNF-AU-011-DR-005 NSNF QA					-				_		closed
DO.RW-083100-DR-002 NSNF QA							02 A				closed
00-RW-08/31/00-DR-004 NSNF QA F 10/17/00 Q.0.3.7 02 A d 1/23/01 98 DR clos On-RW-08/31/00-DR-005 NSNF QA F 10/17/00 P.06.2 01 B g (2) 2/22/01 128 DR clos On-RW-08/31/00-DR-006 NSNF QA F 10/17/00 R.016 03 A d 8/9/01 296 DR clos On-RW-08/31/00-DR-006 NSNF QA F 10/17/00 R.016 03 A d 8/9/01 296 DR clos On-RW-08/31/00-DR-006 NSNF QA F 12/18/00 Q.0.2.2 02 A d 12/18/00 0 CDA clos O1-NSNF-S-006-DR-001 NSNF QA F 1/24/01 B.12.1.2 01 B g (4) 4/2/01 68 DR clos O1-NSNF-S-006-DR-002 NSNF QA F 1/24/01 B.12.1.2 01 B g (4) 4/2/01 68 DR clos O1-NSNF-S-006-DR-003 NSNF QA F 1/24/01 B.12.1.2 01 Q.2 A d 2/2/2/01 29 DR clos O1-NSNF-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/2/2/01 29 DR clos O1-NSNF-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/17/02 137 DR clos O1-NSNF-AU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/17/02 137 DR clos O1-NSNF-AU-001-DR-003 NSNF QA F 9/17/01 G.03.4 02 A d 2/17/02 137 DR clos O1-NSNF-AU-001-DR-005 NSNF QA F 9/17/01 G.03.4 02 A d 11/19/02 428 DR clos O1-NSNF-AU-001-DR-005 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos O2-NSNF-AU-001-DR-005 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos O2-NSNF-AU-001-DR-005 NSNF QA F 10/4/01 R.01.1 03 A 5/30/02 163 DR clos O2-NSNF-AU-001-DR-003 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0 CDA clos O2-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 123 DR clos O2-NSNF-AU-001-DR-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O2-NSNF-AU-001-DR-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O2-NSNF-AU-001-DR-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O3-NSNF-S-005-CDA-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O3-NSNF-S-005-CDA-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O3-NSNF-S-005-CDA-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O3-NSNF-S-005-CDA-001 NSNF QA F 10/17/02 U.66.3.2 01 C 9/30/02 123 DR clos O3-NSNF-S-005-CDA-001 NSNF QA F 10/17/02 U.66.3.2 01 DA A 4/17/03 0 C DA clos O3-NSNF-S-123-002 NSNF QA F 10/17/02 U.66.3.3 01 B d (2) 4/17/03 0 C DA clos O3-NSNF-S-123-002 N											closed
0-RW-08/31/00-DR-005 NSNF QA F 10/11/100 P.06.2 01 B g (2) 2/22/011 128 DR clos 00-RW-08/31/00-DR-006 NSNF QA F 10/11/00 R.01.6 03 A d 8/9/01 296 DR clos 01-NSNF-S-006-DR-001 NSNF QA F 12/18/00 Q.02.2 02 A d 12/18/00 0 CDA clos 01-NSNF-S-006-DR-002 NSNF QA F 1/24/01 B.12.1.2 01 B g (4) 4/2/01 68 DR clos 01-NSNF-AU-001-DR-003 NSNF QA F 1/24/01 E.01 02 A d 2/22/01 29 DR clos 01-NSNF-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/1/02 137 DR clos 01-NSNF-AU-001-DR-002 NSNF QA F 9/17/01 E.01 02 A d 2/1/02 137 DR clos 01-NSNF-AU-001-DR-003 NSNF QA F 9/17/01 E.01 02 A d 2/1/02 137			-								closed
01-NSNF-9-06-CDA-001 NSNF QA F 10/17/00 R.01.6 03 A d 8/9/01 296 DR clos 01-NSNF-9-06-CDA-001 NSNF QA F 12/18/00 Q.02.2 02 A d 12/18/00 0 CDA clos 01-NSNF-9-06-DR-002 NSNF QA F 1/24/01 B.12.1.2 01 B.g (4) 4/20/1 68 DR clos 01-NSNF-9-06-DR-003 NSNF QA F 1/24/01 B.12.1.2 01 B.g (4) 4/20/1 68 DR clos 01-NSNF-9-06-DR-003 NSNF QA F 1/24/01 E.01 02 A d 2/22/01 29 DR clos 01-NSNFP-AU-001-CDA-002 NSNF QA F 9/6/01 B.01.3.3 01 B.d (1) 9/6/01 0 CDA clos 01-NSNFP-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/17/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/17/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 G.03.4 02 A d 2/17/02 137 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 9/17/01 G.03.4 02 A d 11/19/02 428 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos 02-NSNF-AU-001-DR-001 NSNF QA F 10/4/01 R.01.1 03 A 5/30/02 0 CDA clos 02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0 CDA clos 02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0 CDA clos 02-NSNF-AU-001-DR-001 NSNF QA F 10/17/02 G.06.3.4 02 A d 11/19/03 84 DR clos EM-ARC-02-10/EM(0)-03-D-004 NSNF QA F 10/17/02 G.06.3.4 02 A d 11/19/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-005 NSNF QA F 10/17/02 P.04.5 2 02 A d 11/19/03 84 DR clos 03-NSNF-S-005-CDA-001 NSNF QA F 5/70/3 Q.08.1.1 02 A b 5/70/3 0 CDA clos 03-NSNF-S-123-001 NSNF QA F 5/70/3 Q.08.1.1 02 A b 5/70/3 0 CDA clos 03-NSNF-S-123-002 NSNFP F 6/28/99 B.03 01 B f (2) 4/14/00 291 DR clos 03-NSNF-S-123-002 NSNFP F F 6/28/99 B.03 01 B f 4/26/00 303 CRA clos 09-NSNF-S-127-001 NSNFP F F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-001 NSNFP F F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-001 NSNFP F F 6/28/99 B.01.3 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-001 NSNFP F F 6/28/99 B.01.3 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-001 NSNFP F F 6/28/99 B.01.3 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-004 NSNFP F F 7/22/99 B.01.3 01 A g 4/14/00 291 D											closed
01-NSNF-S-006-DR-002 NSNF QA F 12/18/00 Q.02.2 02 A d 12/18/00 0 CDA clos 01-NSNF-S-006-DR-002 NSNF QA F 1/24/01 B.12.1.2 01 B g (4) 4/2/01 68 DR clos 01-NSNF-S-006-DR-003 NSNF QA F 1/24/01 B.12.1.2 01 B g (4) 4/2/01 68 DR clos 01-NSNF-S-006-DR-003 NSNF QA F 1/24/01 B.01.2.1 02 A d 2/2/20/1 29 DR clos 01-NSNF-AU-001-DR-002 NSNF QA F 9/6/01 B.01.3.3 01 B d (1) 9/6/01 0 CDA clos 01-NSNFP-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 E.01 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 9/17/01 E.01 02 A d 11/19/02 428 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos RW EM-01-D-144 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos 02-NSNF-AU-001-DR-003 NSNF QA F 10/4/01 P.04.2 03 B a 6/24/02 263 DR clos 02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0 CDA clos 02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0 CDA clos 02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 A.03.2 01 C 9/30/02 123 DR clos EM-ARC-02-10/EM(0)-03-D-004 NSNF QA F 10/17/02 U.06.3.2 01 A a 4/11/03 176 DR clos EM-ARC-02-10/EM(0)-03-D-005 NSNF QA F 10/17/02 U.06.3.2 01 A a 4/11/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-005 NSNF QA F 10/17/02 U.06.3.2 01 A a 4/11/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-007 NSNF QA F 10/17/02 U.06.3.4 02 A d 1/8/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-005 NSNF QA F 10/17/02 U.06.3.2 01 A a 4/10/03 291 DR clos 99-NSNF-S-005-CDA-001 NSNF QA F 10/17/02 P.04.5.2 02 A d 1/8/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-007 NSNF QA F 10/17/02 P.04.5.2 02 A d 1/8/03 83 DR clos 99-NSNF-S-123-001 NSNFP F F 6/28/99 B.03 01 B d (2) 03 A C 4/26/00 303 CAR clos 99-NSNF-S-123-001 NSNFP F F 6/28/99 B.03 01 B d (2) 03 A C 4/26/00 303 CAR clos 99-NSNF-S-127-04 NSNFP F F 6/28/99 B.03 01 B f 4/26/00 303 CAR clos 99-NSNF-S-127-04 NSNFP F F 6/28/99 B.03 01 B g (4) 9/11/00 418 CAR clos 99-NSNF-S-126-001 NSNFP F F 7/22/99 B.01.3.3 01 B g (4) 9/11/00 418 CAR			_								closed
01-NSNF-S-006-DR-002 NSNF QA F 1/24/01 B.12.1.2 01 B g (4) 4/2/01 68 DR clos 01-NSNF-S-006-DR-003 NSNF QA F 1/24/01 E.01 02 A d 2/22/01 29 DR clos 01-NSNF-AU-001-DR-002 NSNF QA F 9/17/01 B.01.3.3 01 B d (1) 9/6001 0 CDA clos 01-NSNF-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 E.01 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 E.01 02 A d 2/1/02 137 DR clos 01-NSNFA-DU-001-DR-003 NSNF QA F 19/17/01 E.01 02 A d 11/19/02 428 DR clos 01-NSNFA-DR-001-DR-003 NSNF QA F 10/4/01 P.04.2 03 B a 6/24/02 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
01-NSNF-S-006-DR-003									_		closed
01-NSNFP-AU-001-CDA-002 NSNF QA F 9/6/01 B.01.3.3 01 B d (1) 9/6/01 0 CDA clos 01-NSNFP-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 21/102 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 E.01 02 A d 21/102 137 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 9/17/01 E.01 02 A d 11/19/02 428 DR clos RW EM-01-D-144 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos RW EM-01-D-144 NSNF QA F 10/4/01 P.04.2 03 B a 6/24/02 263 DR clos RW EM-01-D-145 NSNF QA F 10/4/01 P.04.2 03 B a 6/24/02 263 DR clos 02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0.02 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>closed</td></t<>											closed
01-NSNFP-AU-001-DR-002 NSNF QA F 9/17/01 B.01.2.1 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-003 NSNF QA F 9/17/01 E.01 02 A d 2/1/02 137 DR clos 01-NSNFP-AU-001-DR-005 NSNF QA F 9/17/01 G.03.4 02 A d 11/19/02 428 DR clos RW EM-01-D-144 NSNF QA F 10/4/01 R.01.1 01 C f 3/6/02 153 DR clos RW EM-01-D-145 NSNF QA F 10/4/01 P.04.2 03 B a 6/24/02 263 DR clos 02-NSNF-AU-001-DR-003 NSNF QA F 5/30/02 B.01.1 03 A 5/30/02 0 CDA clos EM-ARC-02-10/EM(0)-03D-001 NSNF QA F 5/30/02 A.03.2 01 C 9/30/02 123 DR clos EM-ARC-02-10/EM(0)-03D-007 NSNF QA F 10/17/02 U.05.3.2 01 A a 4/11/103 176 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>closed</td>									_		closed
01-NSNFP-AU-001-DR-003									-		closed
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02-NSNF-AU-001-DR-001 NSNF QA F 5/30/02 A.03.2 01 C 9/30/02 123 DR clos EM-ARC-02-10/ EM(0)-03-D-004 NSNF QA F 10/17/02 U.06.3.2 01 A a 4/11/03 176 DR clos EM-ARC-02-10/ EM(0)-03-D-005 NSNF QA F 10/17/02 G.06.3.4 02 A d 1/8/03 83 DR clos EM-ARC-02-10/ EM(0)-03-D-007 NSNF QA F 10/17/02 P.04.5.2 02 A d 1/8/03 84 DR clos 03-NSNF-S-001-CDA-001 NSNF QA F 10/17/02 B.12.1.2 02 A c 12/6/02 0 CDA clos 03-NSNF-S-123-005-CDA-001 NSNF QA F 5/7/03 Q.08.1.1 02 A b 5/7/03 0 CDA clos 99-NSNF-S-123-001 NSNFP F 6/28/99 B.03 01 B d (2) 4/14/00 291 D Clos 99-NSNF-S-123-001 NSNFP F 6/28/99 E.01 02 A d 5/8/00 <td></td> <td></td> <td>F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>263</td> <td>DR</td> <td>closed</td>			F						263	DR	closed
EM-ARC-02-10/EM(0)-03-D-004 NSNF QA F 10/17/02 U.06.3.2 01 A a 4/11/03 176 DR clos EM-ARC-02-10/EM(0)-03-D-005 NSNF QA F 10/17/02 G.06.3.4 02 A d 1/8/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-007 NSNF QA F 10/17/02 P.04.5.2 02 A d 1/9/03 84 DR clos 03-NSNF-S-001-CDA-001 NSNF QA F 12/6/02 B.12.1.2 02 A c 12/6/02 0 CDA clos 03-NSNF-S-001-CDA-001 NSNF QA F 5/7/03 Q.08.1.1 02 A b 5/7/03 0 CDA clos 03-NSNF-S-123-001 NSNF QA F 5/7/03 Q.08.1.1 02 A b 5/7/03 0 CDA clos 09-NSNF-S-123-001 NSNFP F 6/28/99 B.03 01 B d (2) 4/14/00 291 DR clos 09-NSNF-S-123-002 NSNFP TRUE 6/28/99 E.01 02 A d 5/8/00 315 DR clos 09-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-02 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 09-NSNF-S-127-03 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR clos 09-NSNF-S-127-03 NSNFP F 6/28/99 B.03 01 C f 10/18/99 112 DR clos 09-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 09-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 09-NSNF-S-127-04 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 09-NSNF-AU-125-001 NSNFP TRUE 7/20/99 B.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 09-NSNF-AU-125-004 NSNFP TRUE 7/20/99 B.01.2.3 01 B g (4) 9/11/00 417 DR clos 09-NSNF-S-126-002 NSNFP F 7/29/99 B.01.2.3 02 A d 2/22/01 574 DR clos 09-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 09-NSNF-S-126-002 NSNFP F 7/29/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 09-NSNF-S-126-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1	02-NSNF-AU-001-CDA-003	NSNF QA	F	5/30/02	B.01.1	03 A		5/30/02	0	CDA	closed
EM-ARC-02-10/EM(0)-03-D-005 NSNF QA F 10/17/02 G.06.3.4 02 A d 1/8/03 83 DR clos EM-ARC-02-10/EM(0)-03-D-007 NSNF QA F 10/17/02 P.04.5.2 02 A d 1/9/03 84 DR clos Clos Clos Clos Clos Clos Clos Clos C	02-NSNF-AU-001-DR-001	NSNF QA	F	5/30/02	A.03.2	01 C		9/30/02	123	DR	closed
EM-ARC-02-10/ EM(0)-03-D-007 NSNF QA F 10/17/02 P.04.5.2 02 A d 1/9/03 84 DR clos 03-NSNF-S-001-CDA-001 NSNF QA F 12/6/02 B.12.1.2 02 A c 12/6/02 0 CDA clos 03-NSNF-S-005-CDA-001 NSNF QA F 5/7/03 Q.08.1.1 02 A b 5/7/03 0 CDA clos 99-NSNF-S-123-001 NSNFP F 6/28/99 B.03 01 B d (2) 4/14/00 291 DR clos 99-NSNF-S-123-002 NSNFP TRUE 6/28/99 C.04.5.1.3 01 B d (2) 03 A c 4/26/00 303 CAR clos 99-NSNF-S-123-003 NSNFP F 6/28/99 E.01 02 A d 5/8/00 315 DR clos 99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR clos 99-NSNF-S-127-03 NSNFP F 6/28/99 B.03 01 C f 10/18/99 112 DR clos 99-NSNF-S-127-04 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR clos 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/20/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-AU-125-004 NSNFP F 7/29/99 B.01.2.3 01 B g (4) 9/11/00 509 DR clos 99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos											closed
03-NSNF-S-001-CDA-001 NSNF QA F 12/6/02 B.12.1.2 02 A c 12/6/02 0 CDA close 03-NSNF-S-005-CDA-001 NSNF QA F 5/7/03 Q.08.1.1 02 A b 5/7/03 0 CDA close 99-NSNF-S-123-001 NSNFP F 6/28/99 B.03 01 B d (2) 4/14/00 291 DR close 99-NSNF-S-123-002 NSNFP TRUE 6/28/99 C.04.5.1.3 01 B d (2) 03 A c 4/26/00 303 CAR close 99-NSNF-S-123-003 NSNFP F 6/28/99 E.01 02 A d 5/8/00 315 DR close 99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR close 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR close 99-NSNF-S-127-03 NSNFP F 6/28/99 V.01 01 A a 03 D 2/7/01 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>02 A d</td> <td></td> <td></td> <td></td> <td></td> <td>closed</td>						02 A d					closed
03-NSNF-S-005-CDA-001 NSNF QA F 5/7/03 Q.08.1.1 02 A b 5/7/03 0 CDA close 99-NSNF-S-123-001 NSNFP F 6/28/99 B.03 01 B d (2) 4/14/00 291 DR close 99-NSNF-S-123-002 NSNFP TRUE 6/28/99 C.04.5.1.3 01 B d (2) 03 A c 4/26/00 303 CAR close 99-NSNF-S-123-003 NSNFP F 6/28/99 E.01 02 A d 5/8/00 315 DR close 99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR close 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR close 99-NSNF-S-127-03 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR close 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 <td></td> <td>closed</td>											closed
99-NSNF-S-123-001 NSNFP F 6/28/99 B.03 01 B d (2) 4/14/00 291 DR close 99-NSNF-S-123-002 NSNFP TRUE 6/28/99 C.04.5.1.3 01 B d (2) 03 A c 4/26/00 303 CAR close 99-NSNF-S-123-003 NSNFP F 6/28/99 E.01 02 A d 5/8/00 315 DR close 99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR close 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR close 99-NSNF-S-127-03 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR close 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR close 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c											closed
99-NSNF-S-123-002 NSNFP TRUE 6/28/99 C.04.5.1.3 01 B d (2) 03 A c 4/26/00 303 CAR close 99-NSNF-S-123-003 NSNFP F 6/28/99 E.01 02 A d 5/8/00 315 DR close 99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR close 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR close 99-NSNF-S-127-03 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR close 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR close 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR close 99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g									_		closed
99-NSNF-S-123-003 NSNFP F 6/28/99 E.01 02 A d 5/8/00 315 DR clos 99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR clos 99-NSNF-S-127-03 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR clos 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-S-126-001 NSNFP F 7/29/99 B.01 02 A d <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>closed</td></t<>											closed
99-NSNF-S-127-01 NSNFP F 6/28/99 B.03 01 B f 4/26/00 303 DR clos 99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR clos 99-NSNF-S-127-03 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR clos 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-AU-125-004 NSNFP F 7/22/99 B.01.2.3 01 B g (4) 9/11/00 417 DR clos 99-NSNF-S-126-001 NSNFP F 7/29/99 E.01 02 A d							03 A c				closed
99-NSNF-S-127-02 NSNFP F 6/28/99 S.02 08 A b 5/8/00 315 DR clos 99-NSNF-S-127-03 NSNFP F 6/28/99 B.10.6.3 01 C f 10/18/99 112 DR clos 99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-AU-125-004 NSNFP F 7/22/99 B.01.2.3 01 B g (4) 9/11/00 417 DR clos 99-NSNF-S-126-001 NSNFP F 7/29/99 E.01 02 A d 12/19/00 509 DR clos 99-NSNF-AU-125-002 NSNFP F 7/29/99 D.01.2.3 02 A											closed
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99-NSNF-S-127-04 NSNFP TRUE 6/28/99 V.01 01 A a 03 D 2/7/01 590 CAR clos 99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-AU-125-004 NSNFP F 7/22/99 B.01.2.3 01 B g (4) 9/11/00 417 DR clos 99-NSNF-S-126-001 NSNFP F 7/29/99 E.01 02 A d 12/19/00 509 DR clos 99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos											closed
99-NSNF-QAMA-002 NSNFP TRUE 7/20/99 C.01.4 05 A b 03 A c 4/26/00 281 CAR clos 99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-AU-125-004 NSNFP F 7/22/99 B.01.2.3 01 B g (4) 9/11/00 417 DR clos 99-NSNF-S-126-001 NSNFP F 7/29/99 E.01 02 A d 12/19/00 509 DR clos 99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos							U3 D				closed
99-NSNF-AU-125-001 NSNFP TRUE 7/21/99 D.01.3.1.1 01 B g (3) 03 A a 9/11/00 418 CAR clos 99-NSNF-AU-125-004 NSNFP F 7/22/99 B.01.2.3 01 B g (4) 9/11/00 417 DR clos 99-NSNF-S-126-001 NSNFP F 7/29/99 E.01 02 A d 12/19/00 509 DR clos 99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos											closed closed
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99-NSNF-S-126-001 NSNFP F 7/29/99 E.01 02 Å d 12/19/00 509 DR clos 99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 Å d 2/22/01 574 DR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 Å a 9/11/00 376 CAR clos							UJ A a				closed
99-NSNF-S-126-002 NSNFP F 7/29/99 D.01.2.3 02 A d 2/22/01 574 DR clos 99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos											closed
99-NSNF-AU-125-002 NSNFP TRUE 9/1/99 D.01.3.3.1 01 B g (1) 03 A a 9/11/00 376 CAR clos											closed
							03 A a				closed
199-NSNF-AU-125-008 INSNFP J F I 9/1/99 I D.01.2.3 I 01 B I I 11/15/00 I 441 I DR I clos	99-NSNF-AU-125-008	NSNFP	F	9/1/99	D.01.2.3	01 B	5571 U	11/15/00	441	DR	closed

	<u> </u>	I						1		Status
Report	RespOrg	Signif	Open	Subject	Direct	Root	Close	Days	Туре	(2/25/04)
99-ARC04-9/99-002/RW DR#D-084	NSNFP	F	10/7/99	C.02.1	02 A d	71001	2/2/00	118	DR	closed
99-ARC04-9/99-004/RW DR#D-086	NSNFP	F	10/7/99	B.12.1	01 B d (2)		2/2/00	118	DR	closed
99-ARC04-9/99-010/RW DR#D-092	NSNFP	F	10/7/99	S.06.1.1	01 B g (3)		2/2/00	118	DR	closed
99-NSNF-S-132-001	NSNFP	TRUE	10/12/99	G.02.1	01 B	01 B h	1/29/02	840	CAR	closed
00-NSNF-S-005-001	NSNFP	TRUE	1/31/00	B.03	02 A		6/5/00	126	CAR	closed
00-NSNF-S-003-1	NSNFP	F	2/24/00	D.01.6	05 B a		8/23/00	181	DR	closed
00-NSNF-S-008-DR-001	NSNFP	F	3/16/00	E.01	02 A d		10/11/00	209	DR	closed
00-NSNFP-03/13-DR-001	NSNFP	F	3/17/00	F.07.1.1	02 A d		1/30/02	684	DR	closed
00-NSNFP-S-018-DR-001	NSNFP	F	3/31/00	B.12.1.2	01 B g (2)		10/4/00	187	DR	closed
00-NSNFP-S-009-DR-001	NSNFP	F	4/27/00	S.01.1	02 A d		11/1/01	553	DR	closed
00-NSNF-S-009-DR-002	NSNFP	F	4/27/00	S.06.2.2	01 B g (4)		5/10/01	378	DR	closed
00-NSNF-S-009-DR-003	NSNFP	F	4/27/00	S.01.1	01 B g (2)		9/17/01	508	DR	closed
00-NSNFP-05/09-DR-001	NSNFP	F	5/11/00	S.07	08 A c		3/28/01	321	DR	closed
00-SUPP-AU-009-DR-001	NSNFP	F	6/7/00 6/7/00	E.01	01 B		11/28/00	174	DR	closed
00-SUPP-AU-009-DR-002 00-SUPP-AU-009-DR-003	NSNFP NSNFP	F	6/7/00	B.12.1.2 D.01.3.3.2	01 B 01 B		11/28/00 11/28/00	174 174	DR DR	closed
00-SUPP-AU-009-DR-003	NSNFP	F	6/7/00	A.02	01 B		11/28/00	174	DR	closed closed
00-SUPP-AU-009-DR-005	NSNFP	F	6/7/00	J.09.1	01 B		11/28/00	174	DR	closed
00-NSNF-AU-011-DR-001	NSNFP	F	6/19/00	A.01	01 B		1/30/02	590	DR	closed
00-NSNF-AU-011-DR-002	NSNFP	F	6/19/00	B.01.2	02 A d		9/17/02	820	DR	closed
00-NSNF-AU-011-DR-003	NSNFP	F	6/19/00	B.12.1	01 B g (4)		5/10/02	690	DR	closed
00-NSNF-AU-011-DR-004	NSNFP	F	6/19/00	D.01	02 A		9/20/01	458	DR	closed
00-NSNF-S-006-CDA-001	NSNFP	F	10/3/00	Q.02.2	02 A d		10/3/00	0	CDA	closed
00-NSNF-S-006-DR-001	NSNFP	F	10/17/00	E.03.1	01 A a		1/31/02	471	DR	closed
00-RW-08/31/00-DR-001	NSNFP	F	10/17/00	R.02.6	01 B g (2)		1/10/01	85	DR	closed
00-RW-08/31/00-DR-003	NSNFP	F	10/17/00	F.05.3	01 B g (2)		11/28/00	42	DR	closed
01-NSNF-S-004-CDA-001	NSNFP	F	12/19/00	B.12.1.4	02 A d		12/19/00	0	CDA	closed
01-NSNF-S-004-DR-001	NSNFP	F	12/19/00	C.01.4	02 A d		3/25/02	461	DR	closed
01-QAMA-9/18-DR-001	NSNFP	F	1/5/01	B.01.2.1	10 A		1/31/02	391	DR	closed
01-QAMA-9/18-DR-002	NSNFP	F	1/5/01	B.12.2	10 A		1/31/02	391	DR	closed
01-NSNF-S-002-DR-001	NSNFP	F	1/21/01	F.05.4	10 C		1/17/02	361	DR	closed
01-NSNF-S-006-DR-001	NSNFP	F	1/24/01	F.05.1	01 B g (4)		3/29/01	64	DR	closed
01-NSNF-S-009-CDA-001	NSNFP	F	4/26/01	Q.05.1.1	02 A d		4/26/01	0	CDA	closed
01-NSNF-S-009-CDA-002	NSNFP	F	4/26/01	Q.02.2	02 A d		4/26/01	0	CDA	closed
01-NSNF-S-009-DR-001	NSNFP	F	5/3/01	Q.08.1.1	01 B g (4)		2/6/02	279	DR	closed
01-NSNFP-AU-001-CDA-001	NSNFP	F	9/5/01	A.03.2.6	01 B d (1)		9/5/01	0	CDA	closed
01-NSNFP-AU-001-DR-001 01-NSNFP-AU-001-DR-004	NSNFP NSNFP	F	9/17/01 9/17/01	A.01	02 A d		2/1/02 2/1/02	137 137	DR	closed
01-NSNFP-AU-001-DR-004	NSNFP	F	9/17/01	E.01 B.01.2	02 A d 02 A d		10/25/02	403	DR DR	closed
01-NSNFP-AU-001-DR-000	NSNFP	F	9/17/01	E.01	02 A d		2/1/02	137	DR	closed closed
02-NSNF-S-001-CDA-001	NSNFP	F	1/22/02	G.06.3.5	02 A d		1/22/02	0	CDA	closed
02-NSNF-AU-001-CAR-001	NSNFP	TRUE	5/30/02	G.00.3.3 G.02.1	01 C	03 A f	1/31/03	246	CAR	closed
02-NSNF-AU-001-CDA-001	NSNFP	F	5/30/02	K.05.3	02 A b	03 A I	5/30/02	0	CDA	closed
02-NSNF-AU-001-CDA-002	NSNFP	F	5/30/02	E.05	01 C		5/30/02	0	CDA	closed
02-NSNF-AU-001-DR-002	NSNFP	F	5/30/02	A.03.2.1	01 B		9/5/02	98	DR	closed
02-NSNF-AU-001-DR-003	NSNFP	F	5/30/02	B.06	03 A		11/5/02	159	DR	closed
02-NSNF-AU-001-CAR-002R1	NSNFP	TRUE	8/21/02	A.03.2.1	03 A d	03 A d	1/9/03	141	CAR	closed
02-SUPP-S-006-CDA-001	NSNFP	F	10/8/02	F.05.3	02 A b		10/8/02	0	CDA	closed
EM-ARC-02-10/ EM(0)-03-D-006	NSNFP	F	10/17/02	V.01.3	01 A a		4/11/03	176	DR	closed
BQA-FS-03-04-DR-001	NSNFP	F	2/11/03	D.03.1	04 B e		2/26/03	15	DR	closed
BQA-FS-03-04-DR-002	NSNFP	F	2/11/03	D.02.3	02 A		2/26/03	15	DR	closed
BQA-FS-03-04-DR-003	NSNFP	F	2/11/03	E.03.3.1	01 B c		2/26/03	15	DR	closed
BQA-FS-03-04-DR-004	NSNFP	F	2/11/03	B.05.6	02 A b		2/26/03	15	DR	closed
BQA-FS-03-04-DR-005	NSNFP	F	2/11/03	B.05.4	01 B a		2/26/03	15	DR	closed
03-NSNFP-07/09-DR-001	NSNFP	F	7/9/03	C.01.2	02 A d			231	DR	OPEN
03-NSNFP-08/14-DR-001	NSNFP	F	8/14/03	F.05.3	03 A c		11/21/03	99	DR	closed
03-NSNFP-10/09-DR-001	NSNFP	F	10/10/03	D.01.3	01 B d (2)			138	DR	OPEN
03-SUPP-S-001-DR-001	NSNFP	F	10/10/03	B.12.1	03 B d			138	DR	OPEN
03-NSNFP-10/22-DR-001	NSNFP	F	10/22/03	D.01.6	05 B a			126	DR	OPEN
04-NSNF-S-001-DR-001	NSNFP	F	12/23/03	D.01.3	02 A d		0.100.100	64	DR	OPEN
98-NSNF-AU-120-001	OAK RIDGE	F	12/23/98	R.01.5	03 F a		9/30/99	281	DR	closed
01-ORNL-AU-001-CDA-02	OAK RIDGE	F	12/7/00	R.21.2.1	02 A b		12/7/00	0	CDA	closed
01-ORNL-AU-001-CDA-1	OAK RIDGE	F	12/7/00	Q.01.1.7	01 B d (2)		12/7/00	0	CDA	closed

5 (5 0	0, 16	_	0 11 1	D: 1	.	01	_	_	Status
Report	RespOrg	Signif	Open	Subject	Direct	Root	Close	Days	Туре	(2/25/04)
02-ORNL-AU-001-DR-001	OAK RIDGE	F	9/18/02	F.06.2	02 A b		10/3/02	15	DR	closed
98-NSNF-S-033-2	SRS	F	9/17/98	R.07.6	02 A d		3/9/99	173	DR	closed
98-NSNF-S-033-1	SRS	F	10/5/98	Q.01.1	01 B		9/27/99	357	DR	closed
99-NSNF-AU-068-1	SRS	F	9/16/99	B.04.1	01 B d (2)		2/23/00	160	DR	closed
99-NSNF-AU-068-10	SRS	F	9/16/99	Q.03.6	08 D		8/30/00	349	DR	closed
99-NSNF-AU-068-11	SRS	F	9/16/99	R.04.1.2	01 C g		2/23/00	160	DR	closed
99-NSNF-AU-068-12	SRS	F	9/16/99	U.01.1	01 B g (2)		2/23/00	160	DR	closed
99-NSNF-AU-068-2	SRS	F	9/16/99	B.05.1	01 B g (2)		2/23/00	160	DR	closed
99-NSNF-AU-068-3	SRS	F	9/16/99	C.01.3	01 B g (2)		8/8/00	327	DR	closed
99-NSNF-AU-068-4	SRS	TRUE	9/16/99	D.01	01 B g (2)	03 A a	8/30/00	349	CAR	closed
99-NSNF-AU-068-5	SRS	F	9/16/99	E.02.1	01 B h		8/8/00	327	DR	closed
99-NSNF-AU-068-6	SRS	F	9/16/99	E.03	01 B g (2)		8/8/00	327	DR	closed
99-NSNF-AU-068-7	SRS	F	9/16/99	F.01	01 B g (3)		2/23/00	160	DR	closed
99-NSNF-AU-068-8	SRS	F	9/16/99	G.02.1	09 B		8/8/00	327	DR	closed
99-NSNF-AU-068-9	SRS	F	9/16/99	Q.01	08 A a		8/30/00	349	DR	closed
01-SRS-AU-001-DR-1	SRS	F	11/8/00	B.12.1.2	02 A d		4/2/02	510	DR	closed
01-SRS-AU-001-DR-10	SRS	F	11/8/00	R.01.5	02 A d		11/13/01	370	DR	closed
01-SRS-AU-001-DR-11	SRS	F	11/8/00	S.05.2.1.1	02 A d		5/30/01	203	DR	closed
01-SRS-AU-001-DR-12	SRS	F	11/8/00	T.04.3	02 A d		5/30/01	203	DR	closed
01-SRS-AU-001-DR-13	SRS	F	11/8/00	U.02.2.1	01 B d (2)		5/30/01	203	DR	closed
01-SRS-AU-001-DR-2	SRS	F	11/8/00	B.12.2	02 A d		4/2/02	510	DR	closed
01-SRS-AU-001-DR-3	SRS	F	11/8/00	B.01.2	02 A d		6/6/01	210	DR	closed
01-SRS-AU-001-DR-4	SRS	F	11/8/00	F.06.2	10 C		5/30/01	203	DR	closed
01-SRS-AU-001-DR-5	SRS	F	11/8/00	L.03.2	02 A d		6/6/01	210	DR	closed
01-SRS-AU-001-DR-6	SRS	F	11/8/00	L.02	02 A d		6/6/01	210	DR	closed
01-SRS-AU-001-DR-7	SRS	F	11/8/00	P.06.2	01 B g (1)		5/30/01	203	DR	closed
01-SRS-AU-001-DR-8	SRS	F	11/8/00	P.01	01 B d (2)		11/14/01	371	DR	closed
01-SRS-AU-001-DR-9	SRS	F	11/8/00	P.05	01 B d (2)		5/30/01	203	DR	closed
01-SRS-02/22/01-CAR-001	SRS	TRUE	3/7/01	E.01	02 A d	01 C g	4/2/02	391	CAR	closed

General Notes

Report Identification of Deficiency Report, Corrective Action Report, or Condition Corrected during Audit.

Resp Org Organization responsible for correcting the condition.

ANL-E, CTD	Argonne National Laboratory - East, Chemical Technology Division
ANL-W	Argonne National Laboratory - West, Idaho Falls, ID
Battelle-PNNL	Battelle - Pacific Northwest National Laboratory, Richland, WA
HANFORD	Hanford Site Operations, Richland, WA
INEEL-SNF	Idaho National Engineering & Environmental Laboratory, Spent Nuclear Fuel Group
JMI	John Marvin Inc., West Richland, WA
LMES-OR-Y12	Lockheed Martin Energy Systems, Oak Ridge, Y12 Facility
NSNF QA	National Spent Nuclear Fuel Program Quality Assurance Group
NSNFP	National Spent Nuclear Fuel Program Support Organization
OAK RIDGE	Oak Ridge Site Operations
SRS	Savannah River Site

Signif Significant condition adverse to quality as defined by procedure QAS 16.02.

Open Date of NSNFP QAPM approval for issuance.

Subject Subject code based on the QARD requirement violated.

Direct Direct cause code based on the direct cause of the condition identified in the report.

Attachment D lists the cause codes used by QAS 16.03.

Root (For CARs only) Root cause code based on the root cause of the condition identified in

the report. Attachment D lists the cause codes used by QAS 16.03.

Close Date of NSNFP QA Program Manager (QAPM) approval for closure.

Days Duration in number of days the deficiency report remains open until verified as closed by

the NSNFP QAPM. This is computed as the difference between the open and closure dates. For reports that have not been closed, the number of days open is based on

February 25, 2004, when this report was prepared.

Type Identifies the type of deficiency:

DR denotes a deficiency report for a condition adverse to quality

CAR denotes a significant condition adverse to quality

CDA denotes a condition corrected during the audit or surveillance.

Status Identifies the status of the deficiency (closed or open) as of February 25, 2004, when this

report was prepared. The data analyses and trend charts were based on the status at the

end of the calendar year (December 31, 2003).

Attachment D
Cause Codes

Attachment D—Cause Codes

Code	Description	04 A b	No learning objective
01		04 B	Lack of understanding
-	PROCEDURES/IMPLEMENTING DOCUMENTS	04 B a	Learning objectives need improvement
01 A 01 A a	Procedure not used No/incomplete documents/procedure	04 B b	Lesson plan need improvement
01 A b	Lost/missing documents/procedure	04 B c	Training instructions need improvement
01 A c	Procedure difficult to use	04 B d	Testing need improvement
01 A d	Procedure united to use Procedure not available or inconvenient to use	04 B e	Continued/Refresher training need improvement
01 A e	Procedure use not required but should be	04 C	Inadequate training methods
01 B	Inadequate/wrong procedure	04 C a	Incomplete training
01 B a	Typographical error	04 C b	Inadequate facilities
01 B b	Sequence wrong	04 C c	Continuous training inadequate
01 B c	Technical facts/data wrong	04 C d	Inadequate testing or measure of aptitude
01 B d	Requirements:	05	DESIGN/SCIENTIFIC INVESTIGATION
01 B d (1)	updates not incorporated	05 A	Design Documents/ Scientific Investigation
01 B d (2)	not covered/addressed	05 A a	Documents do not exist
01 B e	Wrong documents/procedure used	05 A b	Data/computation wrong, incomplete, or less than adequate
01 B f	Wrong revision used	05 A c	Requirements:
01 B g	Implementing documents/process:	05 A c (1)	not identified
01 B g (1)	not adequate/can't be followed	05 A c (2)	incorrectly identified
01 B g (2)	incomplete	05 A d	Scientific investigation not performed per study plan
01 B g (3)	does not exist	05 A e	Problems not anticipated in design or investigation
01 B g (4)	Does not describe HOW the requirement will be	05 A f	Equipment environment not considered
	implemented	05 B	Technical Review
01 B h	Conflicting instructions	05 B a	Review not performed
01 C	Error in following the procedure	05 B b	Review inadequate
01 C a	Format confusing	05 B c	Reviewer lack of independence FABRICATION/INSTALLATION
01 C b	More than one action per step	06 A	FABRICATION/INSTALLATION Fabrication/installation
01 C c	Multiple references	06 A a	Fabrication/installation error
01 C d	No signoff space	06 A b	Fabrication/installation not per design
01 C e	Checklist misused	06 A c	Wrong sequence fabrication/installation
01 C f	Information/Data/Computation wrong or incomplete	06 A d	Wrong material
01 C g	Ambiguous instructions	06 A e	Defective material
01 C h	Inadequate limits/parameters	06 A f	Lack of proper tools used for fabrication/installation
01 D	Self imposed requirement - not needed for QARD	06 B	Quality Control
00	compliance	06 B a	No inspection
02 02 A	PERSONNEL - HUMAN PERFORMANCE	06 B b	Wrong inspection instructions
02 A 02 A a	Lack of attention to a task	06 B c	Wrong inspection technique
02 A a	Carelessness Oversight	07	RELIABILITY SYSTEM
02 A C	Work overload	07 A	Inadequate Preventative Maintenance
02 A d	Procedure not used, or used improperly	07 A a	No preventative maintenance for equipment
02 A e	Wrong revision used	07 A b	Inadequate preventative maintenance for equipment
02 A f	Lack of direction	07 B	Unreliable Equipment
02 B	Lack of Qualification	07 B a	Equipment past design lifetime
03	MANAGEMENT SYSTEM	07 B b	Equipment repeated failure, previous corrective action
03 A	Standards, Policies, Administrative Controls (SPAC)		inadequate
03 A a	No SPAC	08	SOFTWARE
03 A b	SPAC not used	08 A	Computer software controls
03 A c	Inadequate communication of SPAC	08 A a	Inadequate software design
03 A d	SPAC Recently changed	08 A b	Inadequate validation, verification or testing
03 A e	Inadequate drawings/prints	08 A c	Defects:
03 A f	Inadequate accountability	08 A c (1)	Inadequate defect report
03 B	Immediate supervision	08 A c (2)	Inadequate defect resolution
03 B a	Inadequate job/task analysis	08 A d	Inadequate software identification
03 B b	No preparation/planning	08 A e 08 B	Inadequate software identification Inadequate user information manuals
03 B c	Inadequate selection of performer(s)	08 C	Inadequate user information manuals Inadequate control of usage
03 B c (1)	Individual not qualified	08 D	Inadequate control of usage Inadequate data update
03 B c (2)	Team selection not balanced/adequate	09	PROCUREMENT
03 B d	Performers not trained	09 A	Vendor not in the Approved Supplier List
03 B e	No supervision during work	09 B	Vendor not qualified
03 B f	Infrequent task	09 C	Receiving inspection
03 C	Communications	09 C a	No receiving inspection
03 D	No/late communication	09 C b	Inadequate Receiving inspection
03 E	Misunderstood verbal communication	10	MISCELLANEOUS OR MULTIPLE AREAS
03 F	Audits/Evaluations	10 A	Multiple Causes Present
03 F a	No Audits/Evaluations	10 B	Material/Equipment Inadequate
03 F b	Audit checklist misused	10 C	Unknown
04 04 A	TRAINING No training	10 D	Natural Causes
04 A 04 A a	No training Decided not to train	10 E	Planned Failure
Ut A d	Decided Hot to train		